

### The 2008-2009 University Undergraduate Bulletin

The 2008-2009 Undergraduate University Bulletin was prepared in the spring of 2008. The material presented is for informational purposes only and should not be construed as the basis of a contract between a student and Austin Peay State University.

The provisions of this Bulletin will ordinarily be applied as stated; however, the University reserves the right to change any provision listed in this Bulletin, including, but not limited to, academic requirements for graduation, without actual notice to individual students.

The Class Schedule is available on the APSU web each semester and is considered an extension of the Bulletin; the online Schedule is updated as changes in availability of classes occur.

Every effort will be made to keep students informed of any new information and/or changes in provisions listed in this Bulletin. APMail email is the official communication method used by the University to communicate important information to all students. Students are deemed to have received notifications delivered to their respective APMail email address by the University. Failure to promptly check or open email messages delivered to student's APMail email address will not excuse a student from the responsibility to act in accordance therewith or extend/delay deadlines contained therein. Students are strongly encouraged to check their APMail email account on a daily basis for messages requiring their prompt attention. Students are strongly discouraged from forwarding APMail email to another email provider. The University hereby disclaims any and all responsibility for the security and confidentiality of information contained in messages forwarded from APMail email to another email provider.

Students must accept the responsibility for staying informed regarding the graduation requirements for the degrees they are pursuing. Therefore, scheduled appointments with an assigned academic advisor each semester are required before the student can enroll.

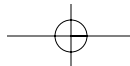
The University is a member of the following associations:

American Association of Colleges for Teacher Education  
American Association of Collegiate Registrars and Admissions Officers  
American Association of State Colleges and Universities  
Association of Intercollegiate Athletics for Women  
Conference of Southern Graduate Schools  
Consortium for Student Retention Data Exchange (CSRDE)  
Council of Colleges of Arts and Sciences  
Council of Graduate Schools  
National Academic Advising Association (NACADA)  
National Association for Campus Activities  
National Association for Student Personnel Administrators  
National Collegiate Athletic Association  
Ohio Valley Conference  
Servicemembers Opportunity Colleges  
Southern Association of Collegiate Registrars and Admissions Officers  
SREB Council on Collegiate Education for Nursing  
Tennessee Alliance for Continuing Higher Education  
Tennessee College Association  
Tennessee Conference of Graduate Schools

Austin Peay State University is an equal opportunity employer committed to the education of a non-racially identifiable student body. APSU affirms that it does not discriminate based on race, color, religion, national origin, sex, sexual orientation, age, disability or veteran status in the educational programs or activities which it operates, nor in admission to or employment in such programs or activities.

APSU adheres to the requirements of Title VI and VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, as amended, Sections 799A and 946 of the Public Health Service Act, the Age Discrimination Act of 1975, the Rehabilitation Act of 1973, Americans with Disabilities Act of 1990, Executive Orders 11246 and 11375, and the related regulations to each.

APSU reaffirms that it does not discriminate in employment based on race, color, religion, sex, age, disability or national origin and that it has taken affirmative action on behalf of minorities and women, as prescribed by the Equal Pay Act of 1963, as amended, Title VII of the Civil Rights Act of 1964, as amended, Executive Order 11246 and 11375, as amended, Age Discrimination in Employment Act of 1967, as amended, the Rehabilitation Act of 1973, as amended, the Americans with Disabilities Act of 1990, the Vietnam Era Veterans' Readjustment Assistance Act of 1974 and the Pregnancy Discrimination Act of 1978. Also see University Affirmative Action Philosophy in STUDENT HANDBOOK AND PLANNER. Inquiries regarding these acts may be directed to the Vice President for Legal Affairs and Strategic Planning, Browning Building Room 151, telephone (931) 221-7572.





**Austin Peay**  
State University

**Undergraduate Bulletin**  
**2008-2009**

**[WWW.APSU.EDU](http://WWW.APSU.EDU)**

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# Programs of Study Index

## Undergraduate Degrees - Main Campus

Agriculture B.S.  
Art B.A., B.F.A.  
Biology B.S.  
Chemistry B.S.  
Communication Arts B.A., B.S.  
Computer Science and Information  
Science B.S.  
Interdisciplinary Studies B.S.  
English B.A., B.S.  
Foreign Language B.A.  
Geosciences B.S.  
Health B.S.  
Health and Human Performance B.S.  
History B.A., B.S.  
Mathematics B.S.  
Medical Technology  
Music Performance B.A., B.S.  
Nursing B.S.N.  
Philosophy B.A., B.S.  
Political Science B.A., B.S.  
Political Science Legal Studies B.A., B.S.  
Psychology B.A., B.S.  
Social Work B.S.  
Radiologic Technology  
Sociology B.S.  
Special Education B.S.  
Studio Art B.A., B.F.A.

## Honors Program

(See Honors Program section of this  
Bulletin.)

## Formal Minors

Accounting  
African American Studies  
Agriculture  
Art  
Art History  
Art (Studio)  
Asian Studies  
Astronomy  
Biology  
Chemistry  
Classical Civilization  
Classical Languages  
Communication Arts  
Computer Networking  
Computer Science  
Creative Writing  
Dance  
Economics  
Engineering Technology  
English  
English Writing  
Environmental Studies  
Ethical Studies  
Family Studies

## 8 Programs of Study

Finance  
Forensic Chemistry  
French  
General Business  
Geography  
Geographic Information Systems  
Geology  
German  
Global Security Studies  
Graphic Design  
Greek  
Health  
History  
International Studies  
Internet and Web Technology  
Journalism  
Latin  
Latin American Studies  
Management  
Marketing  
Mathematics  
Military Science  
Music  
Philosophical Studies  
Photography  
Physical Education  
Physics  
Political Science  
Popular Culture  
Professional Education  
Professional Writing  
Psychology  
Real Estate  
Religious Studies  
Sociology  
Spanish  
Theatre  
Weather Broadcasting  
Women's Studies

### **Preprofessional Programs - Main Campus**

Dental Hygiene  
Dentistry  
Engineering  
Food Technology  
Forestry  
Health  
Law

Medicine  
Optometry  
Pharmacy-2 Year  
Pharmacy-3 Year  
Physical Therapy  
Professional Health  
Veterinary Medicine  
Wildlife

### **Undergraduate Degrees Austin Peay Center @ Fort Campbell**

Criminal Justice B.S.  
Engineering Technology B.S.  
Professional Studies B.S.P.S.  
Public Management B.S.

### **Associate Degrees Austin Peay Center @ Fort Campbell**

Computer Technology and Information  
Management A.A.S.  
Liberal Arts A.S.  
Management Technology A.A.S.  
Occupational Studies A.A.S.

### **Undergraduate Online Degrees @ APSU**

Liberal Arts A.S.  
Management Technology, Concentration:  
Police Science and Administration A.A.S.  
Computer Science and Information Systems,  
Concentration: Information Systems B.S.  
Communication Arts, Information  
Specialist B.A., B.S.  
Criminal Justice, Concentration: Homeland  
Security B.S.  
Political Science and Legal Studies B.A., B.S.  
Professional Studies B.S.P.S.  
Registered Nurse to B.S.N.

### **Undergraduate Regents Online Degree**

Information Technology B.S.  
Interdisciplinary Studies B.S.  
Organizational Leadership B.S.

### **Accelerated Bachelors Degree**

Professional Studies B.S.P.S.

### **Graduate Degrees - Master's**

Biology M.S.  
Communication Arts M.A.  
Counseling M.S.  
Curriculum and Instruction M.A.Ed.  
Educational Leadership Studies M.A.Ed.  
English M.A.  
Health and Human Performance M.S.  
Management M.S.  
Music M.M.U.  
Nursing M.S.N.  
Psychology M.A.  
Reading M.A.Ed.  
Regents Education M.Ed.

### **Graduate Degree - Education Specialist**

Education Ed.S.

### **Graduate Online Degrees At APSU**

Communication Arts, Specialization:  
Corporate Communication M.A.

Curriculum and Instruction, Specialization:  
Instructional Technology M.A.Ed.  
Curriculum and Instruction, Specialization:  
Advanced Studies, Specialty Areas in  
Language Arts/Reading or Science  
M.A.Ed.  
Health and Human Performance,  
Specialization: Health Services  
Administration M.S.  
Management M.S.  
Military History M.A.  
Psychology, Concentration: Industrial/  
Organizational Psychology M.A.

### **Graduate Regents Online Degrees**

Education M.A.  
Nursing M.S.

### **Graduate Education Licensure**

(See Coordinator of Education within the  
School of Education.)

# Telephone and Web Directory

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Academic Affairs	221-7676	<a href="http://www.apsu.edu/academics/staff.htm">www.apsu.edu/academics/staff.htm</a>
Admissions	221-7661	<a href="http://www.apsu.edu/admissions/">www.apsu.edu/admissions/</a>
Toll Free	800-844-APSU (2778)	
Affirmative Action	221-7572	<a href="http://www.apsu.edu/affirm_action/">www.apsu.edu/affirm_action/</a>
Alumni	221-7979	<a href="http://www.apsu.edu/alumni/">www.apsu.edu/alumni/</a>
Athletics	221-7903	<a href="http://www.apsu.edu/athletics/">www.apsu.edu/athletics/</a>
Bookstore	221-7655	<a href="http://www.apsu.edu/bookstore/">www.apsu.edu/bookstore/</a>
Business Office	221-7671	<a href="http://www.apsu.edu/businessoffice/acctrec/">www.apsu.edu/businessoffice/acctrec/</a>
Career Services	221-7896	<a href="http://www.apsu.edu/careers/">www.apsu.edu/careers/</a>
Child Learning Center	221-6234	<a href="http://www.apsu.edu/clc/">www.apsu.edu/clc/</a>
Counseling and Testing	221-6162	<a href="http://www.apsu.edu/counseling">www.apsu.edu/counseling</a>
Developmental Studies	221-7612	<a href="http://www.apsu.edu/dsp_page/">www.apsu.edu/dsp_page/</a>
Disability Services	221-6230	<a href="http://www.apsu.edu/disability/">www.apsu.edu/disability/</a>
Voice/TDD	221-6278	
Extended and Distance Education	221-7816	<a href="http://www.apsu.edu/ext_ed/index.htm">www.apsu.edu/ext_ed/index.htm</a>
Finance and Administration	221-7883	<a href="http://www.apsu.edu/fin_admin/">www.apsu.edu/fin_admin/</a>
Financial Aid	221-7907	<a href="http://www.apsu.edu/financialaid/">www.apsu.edu/financialaid/</a>
Fort Campbell	221-1400	<a href="http://www.apsu.edu/apfc/">www.apsu.edu/apfc/</a>
Graduate School	221-7414	<a href="http://www.apsu.edu/cogs/">www.apsu.edu/cogs/</a>
Health Services	221-7107	<a href="http://www.apsu.edu/healthservices/">www.apsu.edu/healthservices/</a>
Honors Program	221-7714	<a href="http://www.apsu.edu/coal/honors.htm">www.apsu.edu/coal/honors.htm</a>
Intramural Recreation	221-7564	<a href="http://www.apsu.edu/intramurals/">www.apsu.edu/intramurals/</a>
President's Emerging Leaders Program	221-7566	<a href="http://www.apsu.edu/pelp">www.apsu.edu/pelp</a>
Probation and Suspension	221-7121	<a href="http://www.apsu.edu/records/">www.apsu.edu/records/</a>
Public Relations	221-7459	<a href="http://www.apsu.edu/prandpubs">www.apsu.edu/prandpubs</a>
Public Safety	221-7786	<a href="http://www.apsu.edu/police/">www.apsu.edu/police/</a>
Readmission	221-7661	<a href="http://www.apsu.edu/admissions/">www.apsu.edu/admissions/</a>
Registration and Transcripts	221-7121	<a href="http://www.apsu.edu/records/">www.apsu.edu/records/</a>
Toll Free	1-877-508-0056	

## 12 Telephone and Web Directory

Residence Life	.....221-7444	.....www.apsu.edu/housing
Student Affairs	.....221-7341	.....www.apsu.edu/student_affairs/
Student Development Center	.....221-6242	
Student Life and Leadership	.....221-7431	.....www.apsu.edu/activities
Student Support Services	.....221-6142	.....www.apsu.edu/sss/
Veterans Affairs	.....221-7907	.....www.apsu.edu/vaoffice/

Area code is (931) unless otherwise designated:

\*All correspondence can be addressed to: Austin Peay State University, Clarksville, TN 37044.

**University Home Page: [www.apsu.edu](http://www.apsu.edu)**

# University Calendar

Advisement, Registration and Orientation for New Students: All new freshmen and transfer students who have been approved for admission for the Fall Semester are encouraged to come to the campus during the summer for Summer Welcome (New Student Registration and Orientation) by reservation through the Office of Admissions. Accepted applicants will receive details about the orientation program.

## Fall 2008 Semester

- July 25 . . . . . Application Deadline
- Aug 21 . . . . . Residence Halls Open for Freshman only
- Aug 22 . . . . . Last Day for remaining students to Claim Residence Hall Assignment;  
Last Day to Receive 100% Fee Adjustment
- Aug 23 . . . . . Classes Begin
- Aug 23-29 . . . . . Late Registration; Drop/Add
- Sept 1 . . . . . Labor Day Holiday – University Closed
- Sept 5 . . . . . 14th Day; Last Day to Drop Without Record; Last Day to Receive 75% Fee  
Adjustment
- Sept 12 . . . . . Last Day to Apply for December 2008 Graduation
- Sept 17 . . . . . Last Day to Receive 25% Fee Adjustment
- Oct 3 . . . . . Last Day to Drop with an Automatic “W”
- Oct 11 . . . . . First Session Classes End
- Oct 12-18 . . . . . Mid-Semester
- Oct 13-14 . . . . . Fall Break – No Classes
- Oct 15 . . . . . Second Session Classes Begin
- Nov 3 . . . . . Last Day to Drop a Course Before the Mandatory “F” Period; Instructor’s  
Signature Required
- Nov 4 . . . . . Mandatory “F” Period Begins
- Nov 11 . . . . . Veterans Day – No Classes
- Nov 10-21 . . . . . Priority Advising and Preregistration for Currently Enrolled Students for  
Spring 2009

## 14 University Calendar

Nov 27-30 . . . . .Thanksgiving Holiday – University Closed  
Dec 3 . . . . .Last Day of Classes  
Dec 4 . . . . .Study Day  
Dec 5-11 . . . . .Final Exams  
Dec 12 . . . . .Commencement in Dunn Center, time TBA.

### Fall I 2008 @ Fort Campbell

June 16-Aug 18. Advising and Preregistration for Active Duty Military Only  
July 28 . . . . .Advising and pre-registration begins for civilians/family members/veterans  
July 11. . . . .Application Deadline (Does Not Apply to Active Duty Military)  
Aug 11-15 . . . . .Registration Week (See schedule of classes for details)  
Aug 15 . . . . .Last Day to Receive 100% Fee Adjustment if Dropping in Person; Last Day to Pay Fees or confirm classes in Person or via AP Self Service by 4:00 p.m.  
Aug 17 . . . . .Last Day for 100% Fee Adjustment if Dropping via AP Self Service  
Aug 18 . . . . .Classes Begin; Last Day to Apply for Admission for Late Registration  
Aug 18-19 . . . . .Late Registration; 8:00 a.m. - 6:00 p.m.  
Aug 19 . . . . .Last Day to Add a Class or Late Register and Pay Fees for Late Registration  
Aug 24 . . . . .Last Day to Receive 75% Fee Adjustment if Dropping via AP Self Service  
Aug 29 . . . . .Last Day to Drop Without Record in Person; Last day to receive 25% fee adjustment if dropping in person  
Aug 31 . . . . .14th Day; Last Day to Drop Without Record via AP Self Service; Last Day to Receive 25% Fee Adjustment if Dropping via AP Self Service  
Sept 1 . . . . .Labor Day Holiday – No Classes – Education Center Closed  
Sept 8 . . . . .Last Day to Drop with an Automatic “W” and Without Instructor’s Signature  
Sept 15 . . . . .Last Day to Drop a Course Before the Mandatory “F” Period; Instructor’s Signature Required  
Sept 16 . . . . .Mandatory “F” Period Begins  
Sept 12 . . . . .Last Day to Apply for December 2008 Graduation  
Oct 11 . . . . .Last Day of Classes

### Fall II 2008 @ Fort Campbell

Aug 25 . . . . .Advising and Preregistration begins for Active Duty Military Only  
Sept 12 . . . . .Last Day to Apply for December 2008 Graduation  
Sept 29 . . . . .Advising and Preregistration begins for civilians/family members/veterans  
Oct 13 . . . . .Columbus Day – Education Center Closed  
Oct 13 . . . . .Application Deadline (Does Not Apply to Active Duty Military)  
Oct 13-17 . . . . .Registration Week (See schedule of classes for details)  
Oct 17 . . . . .Last Day to Pay Fees in Person or via AP Self Service by 4:00 p.m.  
Oct 19 . . . . .Last Day to confirm classes or receive 100% Fee Adjustment if Dropping via AP Self Service  
Oct 20 . . . . .Classes Begin; Last Day to Apply for Admission for Late Registration  
Oct 20-21 . . . . .Late Registration; 8:00 a.m. - 6:00 p.m.  
Oct 21 . . . . .Last Day to receive 100% Fee Adjustment in Dropping in Person; Last Day to Add a Class or Late Register and Pay Fees for Late Registration  
Oct 26 . . . . .Last Day to receive 75% Fee Adjustment if Dropping via AP Self Service  
Oct 31 . . . . .Last Day to Drop Without Record in Person; Last day to receive 25% fee adjustment if dropping in person  
Nov 2 . . . . .Last Day to Drop Without Record via AP Self Service; Last Day to receive 25% Fee Adjustment if Dropping via AP Self Service

- Nov 10 . . . . . Last Day to Drop with an Automatic “W”
- Nov 11 . . . . . Veterans Day – No Classes – Education Center Closed
- Nov 17 . . . . . Last Day to Drop a Course Before the Mandatory “F” Period; Instructor’s Signature Required
- Nov 18 . . . . . Mandatory “F” Period Begins
- Nov 20-21 . . . . . Thanksgiving Holiday – No Classes – Education Center Closed
- Dec 12 . . . . . Commencement in Dunn Center, time TBA.
- Dec 13 . . . . . Last Day of Classes

## Spring 2009 Semester

- Dec 12 . . . . . Application Deadline
- Jan 11 . . . . . Residence Halls Open for Freshman only
- Jan 14 . . . . . Last Day for remaining students to Claim Residence Hall Assignment; Last Day to Receive 100% Fee Adjustment
- Jan 15 . . . . . Classes Begin
- Jan 15-21 . . . . . Late Registration
- Jan 19 . . . . . Martin Luther King Holiday – University Closed
- Jan 28 . . . . . 14th Day; Last Day to Drop Without Record; Last Day to Receive 75% Fee Adjustment
- Feb 5 . . . . . Last Day to Apply for May 2009 Graduation
- Feb 9 . . . . . Last Day to Receive 25% Fee Adjustment
- Feb 26 . . . . . Last Day to Drop with an Automatic “W”
- Mar 8-14 . . . . . Mid-Semester
- Mar 14 . . . . . First Session Classes End
- Mar 9-14 . . . . . Spring Break
- Mar 15 . . . . . Second Session Classes Begins
- Mar 27 . . . . . Last Day to Drop a Course Before the Mandatory “F” Period; Instructor’s Signature Required
- Mar 28 . . . . . Mandatory “F” Period Begins
- Apr 6-17 . . . . . Priority Advising and Preregistration for Currently Enrolled Students for Summer and Fall 2009
- Apr 10 . . . . . Good Friday – University Closed
- Apr 29 . . . . . Last Day of Classes
- Apr 30 . . . . . Study Day
- May 1-7 . . . . . Final Exams
- May 8 . . . . . Commencement in Dunn Center, time TBA

## Spring I 2009 @ Fort Campbell

- Nov 10 . . . . . Advising and Preregistration begins for Active Duty Military Only
- Dec 22 . . . . . Advising and Preregistration begins for civilians/family members/veterans
- Jan 5 . . . . . Application Deadline
- Jan 5-9 . . . . . Registration Week (See schedule of classes for details)
- Jan 9 . . . . . Last Day to Receive 100% Fee Adjustment if Dropping in Person; Last Day to Pay Fees or confirm classes in Person or via AP Self Service by 4:00 p.m. or classes will be dropped
- Jan 11 . . . . . Last Day for 100% Fee Adjustment if Dropping via AP Self Service
- Jan 12 . . . . . Classes Begin
- Jan 12-13 . . . . . Late Registration; 8:00 a.m. - 6:00 p.m.

## 16 University Calendar

- Jan 13 . . . . . Last Day for late registrants to pay fees or confirm classes in Person or via AP Self Service by 4:00 p.m. or classes will be dropped
- Jan 16 . . . . . Last Day to Receive 75% Fee Adjustment if Dropping in Person
- Jan 18 . . . . . Last Day to Receive 75% Fee Adjustment if Dropping via AP Self Service
- Jan 19 . . . . . Martin Luther King Holiday – University Closed
- Jan 23 . . . . . Last Day to Drop Without Record in Person; Last Day to Receive 25% Fee Adjustment if Dropping in Person
- Jan 25 . . . . . 14th Day; Last Day to Drop Without Record via AP Self Service; Last Day to Receive 25% Fee Adjustment via AP Self Service
- Feb 5 . . . . . Last Day to apply for May 2009 Graduation
- Feb 12 . . . . . Last Day to Drop with an Automatic “W” and Without Instructor’s Signature
- Feb 16 . . . . . President’s Day – Education Center Closed
- Feb 19 . . . . . Last Day to Drop a Course Before the Mandatory “F” Period
- Mar 7 . . . . . Last Day of Classes
- May 8 . . . . . Commencement in Dunn Center; time TBA

### Spring II 2009 @ Fort Campbell

- Jan 12 . . . . . Advising and Preregistration begins for Active Duty Military Only
- Feb 5 . . . . . Last Day to apply for May 2009 Graduation
- Feb 23 . . . . . Advising and Preregistration begins for civilians/family members/veterans
- Mar 9 . . . . . Application Deadline
- Mar 9-13 . . . . . Registration Week (See schedule of classes for details)
- Mar 13 . . . . . Last Day to Receive 100% Fee Adjustment if Dropping in Person; Last Day to Pay Fees or confirm classes in Person or via AP Self Service by 4:00 p.m. or classes will be dropped
- Mar 15 . . . . . Last Day for 100% Fee Adjustment if Dropping via AP Self Service
- Mar 16 . . . . . Classes Begin
- Mar 16-17 . . . . . Late Registration; Monday 8:00 a.m. - 6:00 p.m., Tuesday 8:00 a.m. - 4:00 p.m.
- Mar 27 . . . . . Last Day to Receive 75% Fee Adjustment if Dropping in Person
- Mar 29 . . . . . Last Day to Receive 75% Fee Adjustment if Dropping via AP Self Service
- Apr 3 . . . . . Last Day to Drop Without Record in Person; Last Day to Receive 25% Fee Adjustment if Dropping in Person
- Apr 5 . . . . . 14th Day; Last Day to Drop Without Record via AP Self Service; Last Day to Receive 25% Fee Adjustment via AP Self Service
- Apr 9 . . . . . Good Friday – Education Center Closed
- Apr 13 . . . . . Last Day to Drop with an Automatic “W” and Without Instructor’s Signature
- Apr 20 . . . . . Last Day to Drop a Course Before the Mandatory “F” Period
- May 8 . . . . . Commencement in Dunn Center; 2:00 p.m.
- May 9 . . . . . Last Day of Classes

### Summer III 2009 @ Fort Campbell

- Mar 23 . . . . . Advising and Preregistration begins for Active Duty Military Only
- May 4 . . . . . Advising and Preregistration begins for civilians/family members/veterans
- May 9 . . . . . Application Deadline
- May 18-22 . . . . . Registration Week (See schedule of classes for details)
- May 22 . . . . . Last Day to Receive 100% Fee Adjustment if Dropping in Person; Last Day to Pay Fees or confirm classes by 4:00 p.m. or classes will be dropped
- May 25 . . . . . Memorial Day – Education Center Closed
- May 26 . . . . . Classes Begin

- May 26-27 . . . . .Late Registration; Monday 8:00 a.m. - 6:00 p.m., Tuesday 8:00 a.m. - 4:00 p.m.
- May 30 . . . . .Last day to receive 75% fee adjustment if dropping via AP Self Service
- June 1 . . . . .Last Day to Receive 75% Fee Adjustment if Dropping in Person or via AP Self Service
- June 6 . . . . .Last day to drop without record in person; Last day to receive 25% fee adjustment if dropping in person
- June 8 . . . . .14th Day; Last Day to Drop Without Record in Person or via AP Self Service; Last Day to Receive 25% Fee Adjustment in Person or via AP Self Service
- June 15 . . . . .Last Day to Drop with an Automatic “W” and Without Instructor’s Signature
- June 22 . . . . .Last Day to Drop a Course Before the Mandatory “F” Period
- July 3 . . . . .Independence Day Observed – No classes – Education Center Closed
- July 18 . . . . .Last Day of Classes
- Aug 14 . . . . .Commencement in Dunn Center; time TBA

## May Session 2009

- Apr 24 . . . . .Application Deadline
- May 17 . . . . .Last Day for 100% Fee Adjustment
- May 18 . . . . .Classes Begin; Drop/Add; Last Day to Add a Class
- May 20 . . . . .Last Day to Drop Without Record
- May 22 . . . . .Last Day to Drop with an Automatic “W”
- May 25 . . . . .Memorial Day – University Closed
- June 5 . . . . .Last Day of Classes; Final Exams
- June 15 . . . . .Last Day to Apply for August 2009 Graduation

## Summer I 2009 Semester

- May 15 . . . . .Last Day to Accept Applications from New and Readmitted Students
- June 5 . . . . .Registration
- June 7 . . . . .Last Day to Receive 100% Fee Adjustment
- June 8 . . . . .Classes Begin
- June 8-9 . . . . .Late Registration
- June 14 . . . . .Last Day to Add a Class; 14th Day; Last Day to Drop Without Record; Last Day to Receive 75% Fee Adjustment
- June 15 . . . . .Last Day to Apply for August 2009 Graduation
- June 18 . . . . .Last Day to Drop with an Automatic “W”
- June 25 . . . . .Last Day to Drop a Course Before the Mandatory “F” Period; Instructor’s Signature Required
- June 26 . . . . .Mandatory “F” Period Begins
- July 4 . . . . .Independence Day – University Closed
- July 10 . . . . .Last Day of Classes; Final Exams

## Summer II 2009 Semester

- June 15 . . . . .Last Day to Apply for August 2009 Graduation
- June 26 . . . . .Last Day to Accept Applications for New and Readmitted Students
- July 12 . . . . .Last Day to Receive 100% Fee Adjustment
- July 13 . . . . .Registration; Classes Begin; Last Day to Drop/Add; Late Registration; Last Day to Add a Class
- July 19 . . . . .14th Day; Last Day to Drop Without Record; Last Day to Receive 75% Fee Adjustment
- July 23 . . . . .Last Day to Drop with an Automatic “W”

## 18 University Calendar

- July 30 . . . . . Last Day to Drop a Course Before the Mandatory "F" Period  
July 31 . . . . . Mandatory "F" Period Begins  
Aug 14. . . . . Last Day of Classes; Final Exams; Summer Commencement in Dunn Center;  
2:00 p.m.

### Full Summer 2009 Semester

- May 15 . . . . . Last Day to Accept Applications from New and Readmitted Students;  
Residence Halls Open  
June 5 . . . . . Registration  
June 7 . . . . . Last Day to Receive 100% Fee Adjustment  
June 8 . . . . . Classes Begin  
June 8-9 . . . . . Drop/Add  
June 9 . . . . . Late Registration; Last Day to Add a Class  
June 15 . . . . . Last Day to Apply for August 2009 Graduation  
June 21 . . . . . 14th Day; Last Day to Drop Without Record; Last Day to Receive 75% Fee  
Adjustment  
July 23 . . . . . Last Day to Drop with an Automatic "W"  
July 30 . . . . . Last Day to Drop a Course Before the Mandatory "F" Period  
July 31 . . . . . Mandatory "F" Period Begins  
Aug 14. . . . . Last Day of Classes; Final Exams; Commencement in Dunn Center; time TBA

# About Austin Peay State University

## APSU Today

Austin Peay State University, one of the 22 members of the Tennessee Board of Regents and one of the fastest growing universities in Tennessee, offers high quality undergraduate and graduate programs to a student body of varied ethnicities, ages, and interests. Its urban campus is located in Clarksville, Tennessee's fifth largest city, just 50 miles from Nashville, the state capital. Another campus is located at the military installation at Fort Campbell, Kentucky. While the majority of students live in the northwest and middle areas of Tennessee and in southern Kentucky, a number of students attend from throughout the state and the nation. APSU's vision is to create a collaborative, integrative learning community, instilling in students habits of critical inquiry as they gain knowledge, skills, and values for life and work in a global society.

As one of the state's most diverse public universities, APSU has much to offer through quality programs, convenient locations and excellent technology-supported facilities. To meet the needs of today's students, APSU offers day, evening, and weekend classes on its main campus, as well as

the Fort Campbell campus. In addition, online classes have become increasingly popular as students seek more options for scheduling classes. Therefore, both traditional and non-traditional students will find that APSU offers programs that match their interests and class scheduling that suits their lifestyle.

The mission of APSU supports the goal of a quality learning environment that encourages men and women to equip themselves to use their abilities productively and wisely. Leading the efforts of a committed faculty and staff in fulfilling this mission is President Timothy Hall, the ninth president since Austin Peay opened its doors in 1927 as a normal school for preparing teachers. The school is named in honor of Governor Austin Peay of Clarksville, who was serving his third term of office when the school was established.

## Accreditation

Austin Peay State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur,

## 20 About Austin Peay State University

Georgia, 30033-4097; telephone number 404-679-4501) to award associate, baccalaureate, master's and educational specialist degrees. In addition, the baccalaureate degrees offered in specialized programs of the University are accredited by:

- National Council for the Accreditation of Teacher Education (undergraduate and graduate teacher education)
- National League for Nursing Accrediting Commission (undergraduate nursing program—also approved Tennessee Department of Health-Board of Nursing)
- Council on Social Work Education (Social Work)
- National Accrediting Association for Laboratory Science (Medical Technology)
- National Association of Schools of Music (accredited institutional member)
- National Association of Schools of Art and Design (Art)
- American Chemical Society (Chemistry)

To the student, accreditation means the degree earned at Austin Peay is fully recognized throughout the nation. Credits earned at Austin Peay State University may be submitted to other accredited institutions of higher learning and will be accepted, if they are appropriate to the designated curriculum.

### Institutional Mission

Austin Peay State University is a comprehensive university committed to raising the educational attainment of the citizenry, developing programs and services that address regional needs, and providing collaborative opportunities that connect university expertise with private and public resources. Collectively, these endeavors contribute significantly to the intellectual, economic, social, physical, and cultural development of the region. APSU prepares students to be engaged and productive citi-

zens, while recognizing that society and the marketplace require global awareness and continuous learning. This mission will be accomplished by:

- Offering undergraduate, graduate, and student support programs designed to promote critical thinking, communication skills, creativity, and leadership;
- Expanding access opportunities and services to traditional and nontraditional students, including the use of multiple delivery systems, flexible scheduling, and satellite locations;
- Promoting equal access, diversity, an appreciation of all cultures, and respect for all persons;
- Serving the military community at Fort Campbell through complete academic programs;
- Providing academic services that support student persistence to graduation;
- Fostering a positive campus environment that encourages active participation in university life; and
- Developing programs (credit and non-credit), conducting research, and providing services that contribute significantly to the quality of life, learning, and workforce development needs of the region.

### Educational Goals

The foundation for all undergraduate majors at APSU is a comprehensive and coherent general education program that promotes the global perspective and connected learning in the liberal arts tradition. This foundation is reflected in undergraduate baccalaureate degree programs offered in the arts, humanities, social sciences, mathematics, and natural sciences; professional programs in business, computer science and information systems, education, engineering technology, medical technology, nursing, public management, criminal justice, professional studies, and social work. Additional professional preparation is sup-

ported by master's degree programs offered in biology, communication arts, curriculum and instruction, educational leadership, English, health and human performance, management, music, nursing, psychology, and reading. A broad range of programs, services, and activities are offered outside the classroom to enrich campus life and to enhance student success and personal development.

Effective teaching and learning are central institutional priorities. Service and research that strengthens teaching and addresses public interests are important supportive priorities. Faculty, staff, and administrators are committed to providing a challenging and facilitative collegiate environment that fosters high quality instruction, critical thinking, global and multicultural perspectives, effective communication and interpersonal skills, leadership development, social responsibility, and lifelong learning. As students pursue their programs of study, each should develop, at an appropriate level:

- Skills of inquiry, abstract and logical thinking, and critical analysis;
- Literacy in writing, reading, listening, and speaking;
- The ability to understand and use numbers and statistics;
- A knowledge of world, national, and regional history;
- An understanding of the scientific method;
- An awareness of systems of values as bases for fulfilling the responsibilities of citizenship in a democratic society;
- A sensitivity to the fine arts;
- An awareness of the diverse cultures and experiences that define the contemporary world;
- An understanding of human behavior and skills necessary for appropriate social interaction; and
- A concentration in a discipline in order to enter a chosen profession, to undertake advanced study, or to develop an avocation.

These are the marks of an educated man or woman. The University seeks to provide instruction to meet these goals through a program of sequential learning that will incorporate a variety of learning techniques to promote imagination, understanding, analysis, syntheses, evaluative judgments, and personal responsibility in a safe educational environment.

The University's academic commitment to students is demonstrated not only in the classroom but also in academic advising and academic support, and through student organizations which complement academic majors, honor societies, technology which facilitates academic processes, and chairs and centers of excellence. Evidence of the integration of technology into classroom instruction, programs of study, and into student services is evident throughout the campus. Students manage their academic processes using AP Self Service for Students. Computer labs are available for student use around the clock.

**The Felix G. Woodward Library** offers a print collection numbering 400,000 and an electronic collection that includes 9,000 full-text periodicals, 43,000 e-books, 4,700 audio visuals, and 663,000 microforms. Onsite and remote access to numerous Internet and other electronic resources and databases is readily available to students.

**The University's Chairs of Excellence** include the Roy Acuff Chair in the Creative Arts, APSU Foundation Chair in Free Enterprise, Harper-Bourne Chair in Business, and Lenora C. Reuther Chair in Nursing.

**The Center for Field Biology**, administered by the Department of Biology, brings together scholars and students from various biological disciplines to conduct research and provide students opportunities for hands-on experiences under the mentorship of practicing professionals.

**The Honors Program**, which is under the supervision of the College of Arts and Letters, provides individualized studies designed to challenge students and provides opportunities for creative exploration and intellectual development.

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**Art Galleries**—All Art Galleries on campus are open to the public with no admission charge. For more information on any of the Art Galleries, contact the Art Department at (931) 221-7333.

*The Trahern Gallery* is located in the Margaret Fort Trahern Art and Drama complex. Each year (August-May) the gallery hosts regional, national, and international exhibits, as well as the Annual Student Art Exhibition. Gallery hours: 9:00 am-4:00 pm, Monday through Friday; 10:00 am-2:00 pm, Saturday; and 1:00-4:00 pm, Sunday (closed on holidays).

*Gallery 108* is located on the ground floor of the Trahern Building. Each semester this gallery hosts the senior exhibits, featuring works by graduating art majors. Hours vary with each exhibit.

*The Mabel Larson Fine Arts Gallery* is located on the first floor of Harned Hall. Opened officially in 1994, this gallery features selections from APSU permanent art collection. Gallery hours: 8:00 am-4:00pm, Monday through Friday.

### Center of Excellence for the Creative Arts

College of Arts and Letters

Location: Music/Mass Communication

Building, Room 165

Phone: (931) 221-7876

Website: [www.apsu.edu/creativearts/](http://www.apsu.edu/creativearts/)

The Center for the Creative Arts offers students unique experiences in music, theatre, creative writing, and visual art—experiences that challenge the imagination and spur artistic creativity; experiences that last a lifetime.

Established in 1985 as a Center of Excellence, the Center for the Creative Arts is the only program of its kind in the state, offering students rare opportunities to work with nationally acclaimed faculty and guest artists in the preparation and study of the arts in a one-on-one environment.

The Center's primary goal is to sponsor quality arts programs emphasizing collaboration between recognized artists and university students, resulting in the highest

possible standards of artistic achievement. The Center annually produces more than 100 quality arts activities by faculty, regional, national, and internationally acclaimed guest artists.

The Center for the Creative Arts is symbolic of the University's commitment to the enrichment of life, which can be realized only through an understanding and appreciation of the arts.

The Center of Excellence for the Creative Arts coordinates with the departments of Art, Languages and Literature, Music, and Theatre to sponsor a wide variety of activities and study programs to promote APSU's mission. The Center supports new works and other works of artistic value in the form of musical productions, recitals, concerts, theatre performances, creative writing, poetry readings, and exhibitions of visual art. Curricular activities sponsored by the Center include classes, lectures, workshops, seminars, master classes, public school outreach, and symposia focusing on the various arts disciplines and interdisciplinary nature of the arts for undergraduates, graduate students, and members of the community. Regionally, nationally, and internationally recognized authors, musicians, artists, actors, and teachers are brought to the Center as artists-in-residence. Outreach programs take the Center's activities to the local community, the region, and the state. Guest artists and faculty work in conjunction with local school districts to implement the artist-in-the-schools program. The Center sponsors faculty research in the creative arts, with research being defined as scholarly and creative achievement. The Center funds undergraduate scholarships and graduate assistantships for students in the creative arts.

**The Division of Student Affairs** focuses on the growth and personal development of all students. Educationally purposeful programs and activities are designed to enhance the student's academic experiences outside the classroom and to promote a sense of community for the diverse student popula-

tion. The Morgan University Center, the center of campus life at Austin Peay, provides a wireless environment that encourages involvement in university activities. The health and safety of students is of major concern to the division. A state-of-the-art Foy Fitness and Recreation Center opened its doors to students in January, 2007. Opportunities for leadership development emerge from the Student Government Association and the many student organizations in which students are encouraged to participate.

APSU's commitment to public service is reflected in its continuing education and distance education programs, cultural events that encourage public participation, collaboratives with public schools, partnerships with business and governmental agencies, and the University's centers and chairs of excellence in the creative arts, biology, business, and nursing. Research, scholarship, and creativity are broadly defined so that research which is directed at improving teaching and learning is valued. Both faculty and students engage in research projects which are presented locally, regionally, and nationally. The balanced focus on research, scholarship and creativity, and public service is appropriate for the mission of APSU as a regional university with effective teaching and learning as its highest priority.

The University boasts of a rich heritage that began when it was created as a two-year junior college and teacher-training institution. Today the student body exceeds 9,000 full-time or part-time students, undergraduate and graduate students and is the largest component of the University Community. Many students commute from Montgomery and surrounding counties, while a growing number choose to live on campus in University housing. Others attend Austin Peay by pursuing distance education programs.

As authorized by the Tennessee Board of Regents, the University offers eight undergraduate degrees:

- Associate of Applied Science (A.A.S.)
- Associate of Science (A.S.)
- Bachelor of Arts (B.A.)
- Bachelor of Business Administration (B.B.A.)
- Bachelor of Fine Arts (B.F.A.)
- Bachelor of Science (B.S.)
- Bachelor of Science in Nursing (B.S.N.)
- Bachelor of Science in Professional Studies (B.S.P.S.)

Seven undergraduate degrees may be completed online:

- Associate of Science in Liberal Arts
- Associate of Applied Science in Management Technology, Police Science and Administration Concentration
- Bachelor of Arts or Science in Political Science or Legal Studies
- Bachelor of Science in Criminal Justice, Homeland Security Concentration
- Bachelor of Science in Computer Science and Information Systems, Information Systems Concentration
- Bachelor of Science in Professional Studies
- Registered Nurse to Bachelor of Science in Nursing

Requirements for the majors and concentrations that lead to these degrees may be found in the College, Schools, and Departmental Sections in this Bulletin. Requirements for graduate degrees at the master's level and the Educational Specialist degree are described in the Graduate Bulletin.

Austin Peay State University looks forward to a proud future as a university that values excellence and promotes integrity as it continues to be a significant presence in higher education in Tennessee.

# Admission to Austin Peay

## Undergraduate Admission Policies

Austin Peay State University welcomes applications from all qualified students regardless of race, gender, religion, disability or cultural background. Admission to AP is a selective process; applicant credentials must indicate a reasonable chance for success in completing academic work at APSU. Admission is based on the results of admission assessments (ACT or SAT for students under 21 years of age) and previous academic performance. APSU's admission requirements are approved by the Tennessee Board of Regents (TBR). Admission to the University is a prerequisite for a scholarship award or for admission to any university program which has special admission.

Applicants for admission to APSU, either the main campus or the Fort Campbell campus, are encouraged to submit an application online at <http://www.go.apsu.edu>; paper applications may be submitted by mail to Office of Admissions, Austin Peay State University, P.O. Box 4548, Clarksville, TN 37044.

The APSU Office of Admissions has the authority to make exceptions to admission

requirements on a limited basis when special circumstances and offsetting strengths of a particular application file warrant such exceptions.

No conditionally admitted student will be permitted to late register.

Additional testing for placement in University courses may be necessary. The application file must be complete for such testing, and the testing must be scheduled through the APSU Testing Center prior to registration. If the completion of the application file does not occur to permit testing, it may be necessary to update the application to a future semester.

Meeting application deadlines or minimum requirements does not guarantee acceptance. All applicants should review admission standards in advance of applying in order to understand the likelihood of acceptance. Approval for admission is valid only for the term specified at the time of acceptance. Changes in the semester of entry can be made via a written request to the Admission Office. Changes which occur in the applicant's record after admission but before enrollment require a new review of the admission application. After twelve months, all documents are purged and destroyed, and the entire application process, including credentials, must be repeated.

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Admission to APSU as an undergraduate student does not automatically admit the individual to special or professional programs. Separate application processes are required for formal admission into professional programs, and such admission decisions are generally made after a prescribed amount of coursework has been completed with satisfactory grades by the applicant. Details of program admission requirements are found in the section of this Bulletin which outlines degree program requirements.

Applicants should submit an application packet that includes all required credentials (such as transcripts and test scores) by established deadlines. The University reserves the right to require that applications not submitted by published deadlines be processed for the following term. The following dates are tentative until registration dates are confirmed.

Semester	Application Deadline	Classes Begin
Fall 2008	7/25/08	8/27/08
Spring 2009	12/12/08	1/15/09
Summer 2009	5/15/09	6/8/09
Fall 2009	7/24/09	8/29/09

The application file is complete and ready for review with receipt of the following:

1. A completed Undergraduate Application for admission to Austin Peay State University; and
2. A \$15 nonrefundable application processing fee (payable online by credit card or by check or money order to Austin Peay State University; fee is not required for active-duty military; cash payments will be accepted in person only in the Office of Admissions or Business Office); and
3. All academic credentials, including complete official transcripts from all previously-attended secondary and post-secondary institutions, regardless of credit earned, must be mailed directly from

those institutions to the Office of Admissions (unless the applicant is a transfer applicant who graduated or earned a GED prior to 1989). A special education diploma or a high school certificate is not acceptable; and

4. Certification of registration with the Selective Service system for all male applicants between the ages of 18 and 25 living in the U.S.

### Freshman Applicants

All freshman applicants (and transfer applicants with fewer than 12 university-level credits) for admission to APSU will be placed into one of four admission categories: Full Admission, Conditional Admission, Admission by Exception, or Admission by Alternative Standards.

### Full Admission Applicants

Applicants who have satisfactorily met the requirements outlined below may achieve full unconditional admission to Austin Peay State University. Completion of 14 high school units (specified by the Tennessee Board of Regents) is a prerequisite for full and conditional admission. Students admitted with a foreign language deficiency must remove the deficiency within the first 30 hours of enrollment. (See Appendix B for a list of courses that will satisfy high school deficiencies.)

### Under 21 Years of Age (at the time of enrollment)

1. One of the following:
  - a. ACT composite score of 20 or higher, or
  - b. SAT cumulative score of 940 or higher (Critical Reading and math), or
  - c. High school cumulative GPA of 2.85 or higher (on a 4.0 scale), or
  - d. GED score of 450 or higher (45 prior to January 2002) with a passing notation; and
2. One of the following:
  - a. Meet all 14 required high school unit requirements, or

- b. ACT composite score of 26 or higher, or
  - c. SAT cumulative score of 1170 or higher (Critical Reading and math); and
3. One of the following:
- a. No more than one ACT sub score of 18 or less in English and math; and
  - b. No more than one SAT sub score of 460 or less in Critical Reading and math.
- d. GED score of 450 (45 prior to January 2002) with a passing notation; and
3. One of the following:
- a. More than one ACT sub score of 18 or less in English and math, requiring enrollment in enhanced core mathematics and English; or
  - b. More than one SAT sub score of 460 or less in Critical Reading and math, requiring enrollment in enhanced core mathematics and English.

**21 Years of Age or Older (at the time of enrollment)**

- 1. Proof of high school graduation (excluding a Special Education Diploma or minimum GED average score of 450 (45 prior to January 2002) with a passing notation, and
- 2. COMPASS assessment with either mathematics or English sub score (not both) that requires enrollment in an enhanced core course (English or mathematics).

**Conditional Admission**

Applicants who do not meet full admission requirements, but have met the TBR high school unit requirement and who have achieved an ACT composite of 19 or a high school cumulative GPA of 2.75, or who have ACT sub scores in mathematics and English of 18 or below, or SAT sub scores of 460 or less in Critical Reading and math may achieve conditional admission to Austin Peay State University by satisfactorily meeting the requirements outlined below:

**Under 21 Years of Age (at the time of enrollment) with Low Standardized Test Sub Scores in mathematics and English**

- 1. Meet all 14 required high school unit requirements; and
- 2. One of the following:
  - a. ACT composite score of 19 or higher, or
  - b. SAT cumulative score of 900 or higher (Critical Reading and math), or
  - c. High school cumulative GPA of 2.75 or higher (on a 4.0 scale), or

**21 Years of Age or Older (at the time of enrollment)**

- 1. COMPASS assessments require placement in two or more enhanced core courses; and
- 2. One of the following:
  - a. Proof of high school graduation, or
  - b. GED score of 450 (45 prior to January 2002) with a passing notation.

Conditionally admitted students are admitted on probation. Main Campus conditionally admitted students, on probation, may enroll in no more than 14 hours of approved courses (13 hours if no 1 credit laboratory is enrolled in). Fort Campbell Campus conditionally admitted students, on probation, may enroll in no more than 7 hours of approved courses. All conditionally admitted students must achieve a minimum 1.50 cumulative GPA, must complete all required academic strengthening programs during the first semester of enrollment. Students whose ACT math and English scores are below 19 must successfully complete in a regular and consistent manner all enhanced core courses, developmental reading, or remedial studies in which they are required to enroll. Conditionally admitted students will be limited in enrollment to courses which do not require completion of enhanced core classes, developmental reading, and remedial studies as a prerequisite.

Conditionally admitted students may not enroll in on-line courses. Students who fail to meet these requirements will be academically suspended for one full semester (excluding summer).

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### By Exception

**(Under 21 Years of Age only as allowed by TBR Policy 2:03:00:00 at the time of enrollment)**

Applicants who have not satisfactorily completed all of the 14 TBR high school units may achieve admission by exception to Austin Peay State University by satisfactorily meeting the requirements outlined below:

1. One of the following:
  - a. ACT composite score of 21 or higher, or
  - b. SAT cumulative score of 980 or higher, or
  - c. High school cumulative GPA of 3.0 or higher (on a 4.0 scale), or
  - d. GED score of 450 (45 prior to January 2002) with a passing notation; and
2. No more than two high school unit deficiencies (to be removed within first 30 hours of enrollment), and
3. No more than one placement in enhanced core (mathematics or English).

### Alternative Standards

**(as allowed by TBR Policy 2:03:00:00 and Guideline No. A-015)**

Applicants under 21 years of age who meet no other category of admission will be considered for admission by alternative standards by meeting the requirements outlined below:

Written formal appeals of the University's admission decisions may be filed with the Office of Admissions for consideration by the University Admissions and Standards Committee. The documentation required for such an appeal from all applicants shall include:

1. Admission Decision Appeal Form (available from the Office of Admissions); and
2. At least two letters of recommendation from academic professionals (teacher, professor, academic advisor, Guidance Counselor, Principal, etc.) who are familiar with your academic abilities. These letters must be on school letterhead, must be signed, and must include contact information for the letter's author;

and

3. At the applicant's prerogative, additional information may be provided, such as personal statements, advocacy letters, etc.

The aforementioned information will be reviewed by the University Admissions and Standards Committee. The outcome of an admission decision appeal is determined based on the applicant's expected ability to succeed academically at APSU. Applicants admitted via the appeal process are conditionally admitted. The appellate source for further consideration after the University Admissions and Standards Committee is the Dean of Enrollment Management.

**High School Unit Requirements  
(A detailed description of courses may be found in Appendix A, p. 471.)**

<u>Subject Area</u>	<u>Required Units</u>
English	4
Visual and/or Performing Arts	1
required for students who graduated in 1993 or thereafter	
Mathematics	3
must include 2 units from algebra and one unit from advanced math or 3 units from integrated math sequence	
Natural/Physical Science	2
one from Group A	
Social Studies	1
United States History	1
Foreign Language	2
(same language)	

Completion of 14 high school units (specified by the Tennessee Board of Regents) is a prerequisite for Full and Conditional admission. During initial enrollment, students admitted with a foreign language deficiency must remove the deficiency within the 30 hours of enrollment.

High School deficiencies with the exception of foreign languages will be removed when appropriate core courses are completed. (See Appendix B for a list of courses that will remove high school deficiencies.)

**Military Applicants**

Military (both active-duty and veterans) are required to submit documents for military credit prior to enrollment. The following documents should be sent to the Office of Admissions directly from the issuing agency except for form DD 214:

<u>Branches</u>	<u>Documents Needed</u>
Army	AARTS transcript or DD Form 295
Air Force	Community College of the Air Force transcript or DD Form 295
Army National Guard	AARTS transcript NGB Form 22
Navy	DD Form 295 or SMART transcript
US Marine Corp	ITSS MATMEP or SMART transcript
US Military Reserves	Enlistment contract 4-1 or 4-2 or DD Form 2586
Veterans (Retired or Discharged)	DD Form 214 Member Copy 4 or other forms with characterization of service

**Home School Applicants**

Transcripts of home school applicants must be an official copy from an affiliated organization as defined by state law (T.C.A. 49-50-801) or be accompanied by a certification of registration with the superintendent of the local education agency which the students would have otherwise attended.

**Transfer Applicants**

Transfer applicants must be in good standing with (not suspended from) the last institution attended. Applicants are considered to be in good standing as long as their grade-point average is equal to or greater than the minimum listed below:

<u>Quality Hours Attempted</u>	<u>Minimum Grade-Point Average</u>
12-29	1.50
30-45	1.80

46-59	1.90
60 and above	2.00

Transfer applicants having attempted less than 12 quality hours at another college or university are considered for admission based on Freshman Applicant admission criteria. Policies on the transferability of credits may be found in the Academic Policies section of this Bulletin.

For consideration, all transfer applicants shall submit the following:

1. Official transcript(s) from all previously attended colleges and universities (mailed directly from the institution(s) to the APSU Office of Admissions). Failure to identify all institutions attended (whether or not credit was received) is cause for dismissal from the University; and
2. One of the following:
  - a. Official high school transcript(s) from all previously attended secondary schools (mailed directly from the institution(s) to the APSU Office of Admissions, or
  - b. External Diploma Program Certificate, or
  - c. Official GED scores indicating a minimum score of 450 or higher (45 prior to 2002) and no sub score lower than 410 (40 prior to January 2002). Special education diplomas or high school certificates of attendance are not acceptable.
  - d. The exception to this requirement is high school graduation or GED testing prior to 1989.

**Early Admission Freshmen Applicants**

(prior to completion of high school graduation requirements, after junior year, and entering APSU full-time)

Freshmen applicants may achieve admission by early admission to Austin Peay State University by satisfactorily meeting the requirements outlined below:

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1. Admission application, and
2. Separate early admission application; and
3. High School cumulative GPA of 3.2 or higher (on a 4.0 scale); and
4. One of the following:
  - a. ACT composite score of 22 or higher, or
  - b. SAT cumulative score of 1020 or higher; and
5. Recommendation of high school principal or guidance counselor and consent of parent(s) or guardian(s); and
6. Written statement from high school principal specifying college courses that will be substituted for remaining high school courses needed for high school graduation.

### Concurrent Enrollment

#### (students attending APSU while still enrolled in high school)

1. Dual Enrollment (both high school and college credit awarded for courses taken)
  - a. Admission application; and
  - b. Separate early admission application; and
  - c. Must have completed sophomore year with a cumulative high school GPA of 3.2 or higher (on a 4.0 scale); and
  - d. One of the following:
    - i. ACT composite score of 22 or higher, or
    - ii. SAT cumulative score of 1020 or higher; and
  - e. One of the following:
    - i. ACT sub-scores of 19 or higher (English and math), or
    - ii. SAT sub-scores of 460 or higher (Critical Reading and math); and
  - f. Recommendation of high school principal or guidance counselor; and
  - g. Written parental or guardian approval; and
  - h. Approval by high school of University credits received.
2. Joint Enrollment (University credit only; credits earned do not apply to high school diploma)
  - a. Admission application; and
  - b. Separate early admission application; and
  - c. Must have completed sophomore year with a cumulative high school GPA of 3.2 or higher (on a 4.0 scale); and
  - d. One of the following:
    - i. ACT composite score of 22 or higher, or
    - ii. SAT cumulative score of 1020 or higher, and
  - e. One of the following:
    - i. ACT sub-scores of 19 or higher (English and math), or
    - ii. SAT sub-scores of 460 or higher (Critical Reading and math); and
  - f. Recommendation of high school principal or guidance counselor; and
  - g. Written parental or guardian approval.
3. Academically talented/gifted high school students (University credit only; credits do not apply to high school diploma).
  - a. Admission application; and
  - b. Separate early admission application; and
  - c. Must have a cumulative high school GPA of 3.2 or higher (on a 4.0 scale); and
  - d. Must be enrolled in grade 9, 10, 11 or 12 in public or private high schools in Tennessee; and
  - e. Recommendation of high school principal and approval of placement as a part of the student's planned Individual Education Program (IEP) as established by the high school multi-disciplinary team process; and
  - f. Recommendation and approval of the Director of Admissions.
4. Governor's School for Computational Physics (University credit awarded for courses taken)
  - a. Admission application; and
  - b. Separate Application for the Tennessee Governor's School; and

- c. Must have completed sophomore year with a cumulative high school GPA of 3.2 or higher (on a 4.0 scale); and
  - d. Recommendation of acceptance by the APSU Governor's School Selection Committee.
5. The Middle College at Austin Peay State University (high school on the Austin Peay State University campus; high school and/or college credit awarded for courses taken, depending on the course)
- a. Unconditional Admission Standards
    - i. ACT composite score or 20 or higher, or
    - ii. SAT cumulative score of 940 or higher (Critical Reading and Math), or
    - iii. High school cumulative GPA of 2.85 or higher (on a 4.0 scale).
  - b. Conditional Admission Standards
    - i. ACT composite score of 19, or
    - ii. SAT cumulative score or 900 (Critical Reading and Math), or
    - iii. High school cumulative GPA between 2.75 and 2.84 (on a 4.0 scale).
  - c. Alternative Admission Standards
    - i. Be recommended by the Clarksville Montgomery County School System (CMCSS) Middle College High School Alternative Standards Committee. To be recommended, the applicant must demonstrate:
      - 1) Proficiency in reading as determined by CMCSS, and
      - 2) Proficiency in writing as determined by state assessment or committee, and
      - 3) 95% overall attendance, and
      - 4) 2.0 in Core GPA (units completed), and
      - 5) Two letters of recommendation (one from a school administrator or Guidance Counselor), and
      - 6) Acceptable behavior.

## International Applicants

All international applicants must file their applications and submit certified copies of official transcripts, certificates, diplomas, and degrees translated to English well in advance of the semester for which they seek admission. Transfer applicants from foreign non-immigrant institutions must also provide a course-by-course equivalency performed by an educational credential agency. The Office of Admissions handles application procedures for undergraduate international applicants. For information, call (931) 221-7661 or write to: Austin Peay State University, Office of Admissions, P.O. Box 4548, Clarksville, TN 37044 or visit the Website at [www.apsu.edu](http://www.apsu.edu). For information on international students enrollment in graduate programs, contact the College of Graduate Studies at (931) 221-7662 or Austin Peay State University, College of Graduate Studies, P.O. Box 4458, Clarksville, TN 37044.

- I. **English Language Proficiency.** All international applicants are required to submit proof of proficiency in the English language. TOEFL exam scores are required of all international applicants, as follows; A minimum score of 500 on the paper-based exam or a minimum score of 173 on the computer-based exam or a minimum score of 61 on the internet-based exam. TOEFL scores are valid for two years.

TOEFL scores will not be required from an international applicant, if:

- English is the native language of the applicant's country of citizenship, or
- The applicant has been conferred a Bachelor's degree from a United States accredited, four-year college or university, which is confirmed by an official transcript, or
- The applicant has taken at least one full semester of English composition (not developmental or remedial) at a United States college or university and received a grade of "C" or better,

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which is confirmed by an official transcript, or

- If the applicant is a new freshman, consideration of the TOEFL score requirement exemption will be made on a case-by-case basis, by the Director of Admissions.
2. **Financial Resources.** Evidence of financial resources sufficient to pay expenses including out-of-state tuition and fees while the applicant is at the University must be submitted. All international applicants must submit a completed Affidavit of Support and Financial Statement. This form provides evidence of the applicant's ability to pay all required educational and living costs. This form must be on file before an I-20 or DS-2019 can be issued. (Spouses of F-1 visa holders are not permitted to work under any circumstances. Spouses of J-1 visa holders may obtain permission to work and then only for his or her and the children's support). Please peruse [www.apsu.edu](http://www.apsu.edu) for specific cost information.
  3. **Medical.** All international applicants shall submit no later than thirty (30) days from the first day of classes a certificate from a licensed physician or other qualified medical authority verifying freedom from tuberculosis. Failure to submit such certification shall result in denial of admission or discontinued enrollment. In the event that a student has tuberculosis or potential tuberculosis requiring medical treatment, continued enrollment will be conditional upon the determination by a licensed physician that further enrollment is not a risk to others and upon the student's compliance with any prescribed medical treatment program.

International applicants may opt to have the screening for tuberculosis done through Boyd Health Services. Contact must be made with the Boyd Health Services personnel within two weeks of the first day of classes (which will allow for completion of the process within thir-

ty days of the first day of classes).

4. **Medical and Hospitalization Insurance.** All international applicants must have and maintain medical and hospitalization insurance as a condition of admission and continued enrollment at APSU. Students with J visas also must carry adequate medical and hospitalization insurance for spouses and dependents. Proof of medical and hospitalization insurance must be provided to the Boyd Health Services. International students will automatically be enrolled in the TBR Student/Scholar Health & Accident Insurance Plan unless documentation of adequate coverage is provided. Automatic enrollment in the Plan shall not take place later than the time of class registration, and the cost of the coverage will be added to the student's registration fees. For the purposes of this policy, adequate medical and hospitalization insurance coverage shall mean that the student's coverage meets or exceeds the level of coverage provided to participants in the TBR's Student/Scholar Health & Accident Insurance Plan.

All international applicants born after 1956 shall provide proof of two immunizations with the Measles, Mumps, and Rubella (MMR) vaccines, which were administered on or after the year of birth to the Boyd Health Services. A student will be prevented from registering for classes until this requirement is met.
5. **Fort Campbell.** International students may neither enroll in nor attend classes held at the Education Center at Fort Campbell.
6. **Permanent Residents Alien.** Permanent Resident Aliens must submit front and back copies of their Permanent Resident Alien Card.
7. **General International Applicant Information.** All non-immigrants must provide proof of status including copies of their visa. All international applicants

Documentation of disability must be on file in the Office of the Registrar no later than the final day of registration for the semester in which the student wishes to attend as a senior citizen or a disabled person.

## Admission to Austin Peay 33

will receive information concerning any special requirements for admission from the Office of Admissions. Boyd Health Services will provide the Office of Admissions with information concerning policy requirements, associated approximate costs which could be incurred, and what would be considered acceptable certification of freedom from tuberculosis, proof of adequate medical and hospitalization insurance, and proof of two immunizations with the Measles, Mumps, and Rubella (MMR) vaccines.

### Non-Degree Seeking Applicants

Applicants who are eligible for non-degree admission include:

### Transient Applicants

A student who is currently enrolled and in good standing at another regionally accredited college or university may apply to attend APSU as a transient applicant and may be admitted to the University for one semester/term. This intent must be included in the application for admission; the home college must submit to the Office of Admissions a letter stating that the applicant is in good standing. An official transcript may be requested if needed to document the completion of any prerequisites required for enrollment in the course(s). Transient students remaining at Austin Peay will need to re-apply for admission and resubmit a letter of good standing or an official transcript for a subsequent semester/term.

### Persons with a College Degree or Certificate

Persons who have a degree or certificate equivalent to the highest degree or certificate offered by a regionally accredited college or university in a particular field, but who wish to take additional courses.

### Senior Citizens and Disabled Persons

Totally and permanently disabled persons and persons 65 years of age or older may enroll in classes and pay no fees other than a service fee in the amount authorized by the Tennessee Board of Regents. In the case of disabled persons, the institution may require an affidavit or certificate of disability from a physician or from the agency compensating the disabled person. Admission under this provision may be limited or denied based on the availability of space in the individual classroom.

### Adult Special Applicants

Applicants, 21 years of age or older, who are not interested in earning a degree from the University may apply for admission as an Adult Special Applicant by so indicating on their application for admission.

Requirements for Freshman Adult Special Students include high school graduation or a minimum GED average score of 450 (45 prior to January 2002), and sub scores no lower than 410 (40 prior to January 2002). An official high school transcript or GED score must be submitted to the Office of Admissions; a Special Education Diploma or High School Certificate is not acceptable.

Transfer and readmit applicants must submit a transcript from the last college or university attended. Applicants who are currently suspended from another college or university are not eligible to enroll as Adult Special Students.

Adult Special Students will be limited to enrolling in a maximum of 24 semester hours. Adult Special Students are not allowed to register for college-level mathematics or English unless the appropriate portion of the assessment test (COMPASS) is taken. Adult Special Students who later decide to seek a degree from the University must submit all academic credentials and satisfy all admissions requirements. Applicants who are denied regular admission will be denied admission as a Special Applicant for the same semester.

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### Readmission Applicants

Applicants seeking readmission to the APSU main campus must resubmit an application for admission if they have missed one semester or more (excluding summer) and submit all transcripts from every institution attended since last attending APSU, regardless of whether credit was earned. Applicants wishing to apply for readmission to the APSU Education Center at Fort Campbell must resubmit an application and transcript(s) after missing two or more terms.

### Programs with Special Admission Requirements

Schools of Business, Education, and Nursing, Medical Technology, Radiologic Technology, and Social Work have additional requirements for admission. Students wishing to enter these programs should consult with the schools or departments offering the programs. Admission requirements may change due to availability of institutional resources and/or changes in state licensure requirements.

### Immunizations

The state of Tennessee requires all new and readmitted full-time students to provide proof of two immunizations with the Measles, Mumps, and Rubella (MMR) vaccines, which were administered on or after the first year of birth. A student will not be allowed to register for classes until this requirement is met. For additional information, contact Boyd Health Services at (931) 221-7107.

The state of Tennessee mandates that each public or private postsecondary institution provide information concerning hepatitis B infection to all students entering the institution for the first time. Those students who will be living in on-campus housing for the first time must also be informed about the risk of meningococcal meningitis infection. Tennessee law requires that such students complete and sign a waiver form provided by the institution that includes detailed information about the diseases.

The information concerning these diseases is from the Centers for Disease Control and the American College Health Association. The law does not require that students receive the vaccination; however, the law does require students to provide a signed copy of the waiver form to APSU, Boyd Health Services, P.O. Box 4655, Clarksville, TN 37044 or fax to (931) 221-7388.

### Residency

An applicant's residency classification is made at the time of admission in accordance with Tennessee Board of Regents regulations. Non-Tennessee residents classified as in-state for fee payment purposes include military personnel stationed in Tennessee or Fort Campbell, their spouses and dependents; residents from the Kentucky counties of Christian, Logan, Todd, Trigg, Allen, Calloway, and Simpson; and part-time students employed full-time in Tennessee. APSU residency regulations can be found in Appendix C (p. 474).

### Appealing Admission Decisions

Written formal appeals of the University's admission decision may be filed with the Office of Admissions for consideration by the University Admission and Standards Committee. The documentation required for such an appeal from all applicants shall include:

- Admission Decision Appeal Form (available from the Office of Admissions); and
- At least two letters of recommendation from academic professionals (teacher, professor, academic advisor, Guidance Counselor, Principal, etc.) who are familiar with your academic abilities. These letters must be on school letterhead, must be signed, and must include contact information for the letter's author; and
- Additional information may be provided, at the applicant's prerogative, such as personal statements, advocacy letters, etc.

The aforementioned information will be reviewed by the University Admissions and

Standards Committee. The outcome of an admission decision appeal is determined based on the applicant's expected ability to succeed academically at APSU. Applicants admitted via the appeal process are conditionally admitted on probation.

The appellate source for further consideration after the University Admissions and Standards Committee is the Dean of Enrollment Management.

### **Misrepresentation of Academic Credentials**

It is a Class A misdemeanor to misrepresent academic credentials. A person who commits the offense of misrepresentation of academic credentials, knowing that the statement is false and with the intent to secure employment at or admission to an institution of higher education in Tennessee, represents, orally or in writing, that such person: (1) has successfully completed the required coursework for and has been awarded one or more degrees or diplomas from an accredited institution of higher education; (2) has successfully completed the required coursework for and has been awarded one or more degrees for diplomas from a particular institution of higher education; or (3) has successfully completed the required coursework for and has been awarded one or more degrees or diplomas in a particular field or specialty from an accredited institution of higher education. TBR, July, 2006

### **For More Information**

#### **Undergraduate Admission**

Office of Admissions  
P.O. Box 4548  
Clarksville, TN 37044  
Phone: 931-221-7661  
Fax: 931-221-6168  
Web: <http://go.apsu.edu>  
Email: [admissions@apsu.edu](mailto:admissions@apsu.edu)

#### **Graduate Admission**

College of Graduate Studies  
P.O. Box 4458  
Clarksville, TN 37044  
Phone: 931-221-7662  
Fax: 931-221-7641  
Web: <http://www.apsu.edu/cogs/>

#### **Immunizations and Medical Records**

Boyd Health Services  
P.O. Box 4655  
Clarksville, TN 37044  
Phone: 931-221-7107  
Fax: 931-221-7388  
Web: <http://www.apsu.edu/healthservices/>

#### **Financial Aid Information**

Financial Aid Office  
P.O. Box 4546  
Clarksville, TN 37044  
Phone: 931-221-7907  
Fax: 931-221-6329  
Email: [SFAO@apsu.edu](mailto:SFAO@apsu.edu)  
Web: <http://www.apsu.edu/financialaid/>

#### **ACT Tests:**

American College Testing Program  
P.O. Box 4065  
Iowa City, IA 52243-4063  
Phone: 319-337-1270  
Web: [www.actstudent.org](http://www.actstudent.org)  
APSU's Institutional ACT Code: 3944

#### **SAT Tests:**

The College Board Headquarters  
45 Columbus Avenue  
New York, NY 10023  
Phone: 212-713-8000  
Web: [www.collegeboard.com](http://www.collegeboard.com)  
APSU's Institutional SAT Code: 1028

#### **COMPASS Placement Exams:**

APSU Testing Office  
Phone: 931-221-6269

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### **TOEFL Exams:**

TOEFL Services

P.O. Box 6151

Princeton, NJ 08541-6151

USA

Phone: 609-771-7100

APSU Institutional TOEFL Code: 1028

### **Dual or Joint Enrollment**

High School Counselors' Offices or APSU

Admissions Office

# Tuition, Fees and Financial Aid

## Tuition and Fees

Expenses for attending APSU include in-state tuition, out-of-state tuition (non-residents), student services fees, and other special fees. Registration is not complete until all fees have been paid and students have confirmed (validated) their schedules online and received a confirmation number.

Checks, cash, and money orders drawn on U. S. banks and payable in U. S. dollars and credit payments are accepted at the cashier's window in the Business Office, Browning 148. Electronic checks and credit cards will be accepted on the web.

The University reserves and intends to exercise the right to withhold copies of transcripts and other student education records and/or to withdraw students who have unpaid or past-due fee balances.

Students are required to pay in-state tuition and, when applicable, out-of-state tuition, for enrollment in all courses even if no credit is earned. All tuition charges or other charges are subject to change at the end of any academic term. Tuition fee adjustments are pro-rated and published in the official University Calendar (p. 13).

## In-State Tuition

Students enrolled for less than 12 semester hours are considered part-time students for fee schedule purposes and are charged an in-state tuition of \$178 for each credit hour of coursework. The total in-state tuition for full-time students (those registered for 12 credit hours or more) is \$2,029.

## Out-of-State Tuition

Students who are not residents of Tennessee and who register for 12 or more credit hours are required to pay an out-of-state tuition fee of \$5,138 per semester in addition to all other regular fees.

Nonresident students registered for fewer than 12 credit hours are required to pay an out-of-state tuition fee of \$446 per credit hour in addition to all other regular fees. Residency classification for fee purposes is made at the time of admission to the University and is in accordance with Tennessee Board of Regents regulation (see Appendix C, p. 474). Part-time students employed in Tennessee and students living in these Kentucky counties are exempt from out-of-state tuition: Christian, Logan, Todd, Trigg, Allen, Calloway, and Simpson.

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### Summer

Tuition and fees for courses taken during summer will be calculated on a straight per credit hour charge with no maximum for a full-time student.

### Non-Refundable Fees

In addition to tuition, students must pay various fees that are used to provide services needed for academic obligations and are not refundable in case of withdrawal. These fees include post office box fee, sustainable campus fee, SGA fee, and late registration fee.

### General Access Fee (Main Campus, Off Campus, and Distance Learning)

All students except those enrolled at the APSU Center at Fort Campbell who are registered for 12 or more semester hours are required to pay a General Access fee of \$325.50. Part-time students are charged \$32.55 per credit hour to a maximum of \$325.50.

### Technology Access Fee

All students enrolled in 11 or more cred-

it hours are charged \$112.50 or \$11.25 per credit hour for 10 or fewer credits. This fee supports a wide array of computer services and technological resources. Students enrolled in Web class pay an online course fee of \$21 per credit hour.

Students taking classes through the Regents Online Degree program pay

- Registration and Maintenance Fees per credit hour (no maximum) \$178
- Online course fee per credit hour (no maximum) \$ 71

### Other Required Fees (Main Campus Only)

- Debt Service Fee, 12 or more credit hours \$137
- Part-time per credit hour \$ 12
- New Student Fee (both full-time and part-time) \$ 75
- Post Office Box Rental (students living on campus) \$ 9
- Student Government Fee (per registration) \$ 5
- Sustainable Campus Fee \$ 10

### Required Fees

#### Main Campus, Off-Campus, Austin Peay Center @ Fort Campbell, and Distance Learning

#### Full-time Students

(Twelve Credit Hours or More)

#### Per Semester

In-state Tuition	\$2,029.00
Out-of-state Tuition	\$2,029.00 with additional cost of \$5,138.00
Tennessee residents at least 65 years of age and/or permanently disabled	\$.70 maximum

#### Fees in Addition to Tuition for In-state and Out-of-State

General Access Fee	\$325.50
Debt Service Fee	\$137.00
New Student Fee (one time fee)	\$75.00
Post Office Box Rental (students living on campus)	\$9.00
Student Government Fee	\$5.00
APSU WEB Classes: Online Course Fee per credit hour	\$21.00
Technology Access Fee	\$112.50
Sustainable Campus Fee	\$10.00

## Part-time Students

(Less Than Twelve Hours)

### Per Semester

In-state Tuition per credit hour	\$178.00
Out-of-state Tuition per credit hour	\$178.00 with additional cost of \$446.00

### Fees in Addition to Tuition for In-state and Out-of-State

General Access Fee	\$32.55 per credit hour
Technology Access Fee for less than 10 credits	\$11.25 per credit hour
WEB Classes Fee per credit hour	\$21.00
Regents Online Degree Program Registration and Maintenance Fee	\$178.00 per credit hour
Regents Online Degree Course Fee per credit hour	\$71.00
Debt Service Fee	\$12.00 per credit hour
New Student Fee (one time fee)	\$75.00
Post Office Box Rental (students living on campus)	\$9.00
Student Government Fee	\$5.00
Sustainable Campus Fee	\$10.00

### Housing Fees

For students who wish to live on campus, Austin Peay State University has four enclosed style halls, one of which is reserved for new freshmen with at least a 3.0 or and ACT score of 21; three outside corridor-style halls; one suite-style facility; and two apartment-style facilities. Complete information regarding APSU housing may be found at [www.apsu.edu/housing/](http://www.apsu.edu/housing/). Freshmen who do not live at home with family members are required to live in University housing and to purchase a meal plan.

Family Housing (per month) ranges from	\$530 to \$695
Resident Hall Room (double occupancy per semester)	\$1,700
Student Apartment (per semester)	\$1,880-\$2,820
Meal Plan (estimated per semester)	\$730-\$1,055
Deposit for Housing	
• Student Apartments and Residence Halls (Prepayment-applied to dorm change)	\$200
• Family Housing (Refundable)	\$100

### Special Fees

Application Fee (include with application - nonrefundable)	\$15.00
Audit Fees	cross listed with regular fees
(no charge to Tennessee residents at least 60 years of age and/or permanently, totally disabled)	
Business Course Fee for Upper Division (per credit hour)	\$20.00
Graduation (includes Commencement regalia)	
Associate Degree	\$25.00
Baccalaureate Degree	\$30.00
Master and Specialist Degree	\$35.00
Additional Fees (after original Application for Graduation):	
Cancellation Fee (student must reapply for Graduation)	\$10.00
Change of Date (Semester/Term)	\$10.00
Change of Name	\$10.00
Duplicate Diploma	\$10.00
Identification Card (required of all students enrolled for Main Campus classes)	No Charge

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Identification Card Replacement	.....\$20.00
Late Registration (nonrefundable)	.....\$50.00
Motor Vehicle Registration	.....included in General Access Fee
Applied Music—Individual: one half-hour (30 minute) lesson per week	.....\$150.00
Nursing Clinical Skills Fee (per semester)	.....\$90.00
Returned Check Service Charge	.....\$30.00
Proficiency Examination (per credit hour)	.....\$15.00
Science Consumables Fee (per lab)	.....\$15.00
Textbooks (estimation per semester)	.....\$500.00
Transcripts, Official (limited number)	.....No Charge
(transcripts issued only upon written request by the student)	
Fax Transcripts (per page, including cover sheet)	.....\$1.00
Other fee requirements are based on the student's major.	

### Tuition and Fee Discounts

1. Adults 65 years of age or older during the semester, domiciled in Tennessee, and permanently and totally disabled students may register in courses for credit on a space available basis and pay maximum tuition of \$70 and all applicable fees.
2. A Tennessee resident who is 60 years of age or older or one who is permanently and totally disabled may audit a course if space is available at no cost (according to Tennessee law) by filing with the Office of the Registrar a birth certificate or an acceptable physician's certificate of permanent, total disability.
3. Children of deceased or missing in action Vietnam Conflict veterans who were residents of Tennessee may be eligible for a waiver of tuition and maintenance fees. (Contact the Veterans Affairs Office in Nashville, TN at 1-800-827-1000 for more information and verification procedures.)
4. A dependent child whose parent was killed or died as a direct result of injuries received, or has been officially reported as being either a prisoner of war or missing in action while serving honorably as a member of the United States armed forces during a qualifying period of armed conflict, or the spouse of such veteran, may be eligible for a waiver of tuition and required registration or matriculation fees, and may be admitted without cost to any of the institutions of higher education owned, operated, and maintained by the state of Tennessee, if certain age limits, time periods for eligibility, and residency requirements are met. Contact the Veterans Affairs Office in Nashville, TN at 1-800-827-1000 for more information and verification procedures.
5. Dependents (under the age of 24 on the first day of classes) of certified public school teachers of Tennessee state employees are eligible for a 25 percent discount on undergraduate in-state tuition, maintenance fees, and technology access fees. An approval form obtainable from the Admissions website, [http://www.apsu.edu/hrhomepage/forms/feediscount\\_dependents.pdf](http://www.apsu.edu/hrhomepage/forms/feediscount_dependents.pdf), must be completed each term and submitted to the Business Office before classes begin.
6. Dependents 26 years of age or under and the spouse of a full-time TBR employee are eligible for a 50 percent discount on undergraduate in-state tuition and fees and all mandatory student fees (excluding special course fees.) An approval form available from the Human Resources website, [http://www.apsu.edu/hrhomepage/forms/dep\\_fee\\_waiver.pdf](http://www.apsu.edu/hrhomepage/forms/dep_fee_waiver.pdf), must be completed each term and submitted to the Business Office before classes begin.
7. Dependents 26 years of age or under and spouses of full-time UT employees

are eligible for a 50 percent discount on tuition. An approval form available from the Admissions website, [http://www.apsu.edu/hrhomepage/forms/feediscount\\_dependents.pdf](http://www.apsu.edu/hrhomepage/forms/feediscount_dependents.pdf), must be completed each term and submitted to the Business Office before classes begin.

8. Full-time employees of the State of Tennessee may enroll in one undergraduate or graduate course at no cost other than special course fees. An approval form available from the Admissions website, [http://www.apsu.edu/hrhomepage/forms/feewaiver\\_state\\_emp.pdf](http://www.apsu.edu/hrhomepage/forms/feewaiver_state_emp.pdf), must be submitted each term to the Business Office before classes begin. These scholarships are subject to availability of funds.
9. APSU employees (full-time), TBR, and UT employees may enroll for two courses per term on a space available basis at no cost other than special course fees. One course can be submitted on the Form PC 191 and one on the Clerical and Support Staff Maintenance Fee Payment Program Form or Faculty/Administrative/Professional Staff Tuition or Maintenance Fee Reimbursement Program Form showing approval of the immediate supervisor. Approval forms available from the Human Resources website, <http://www.apsu.edu/hrhomepage/forms.htm>. These forms must be submitted to the Business Office at the time of registration of each term. These scholarships are subject to availability of funds.

### Payment of Tuition and Fees

Students are expected to pay all tuition and expenses for the semester or term before the semester or term begins. An installment plan is available Fall and Spring semesters through the Business Office under certain circumstances.

The University accepts payment by cash, check or credit card at the Business Office. Payment by electronic check or credit card are accepted online (MasterCard, Visa, and

American Express). Note: See the following link for information on the installment plan: [http://www.apsu.edu/BUSINESSOFFICE/ACCTREC/pay\\_info.htm](http://www.apsu.edu/BUSINESSOFFICE/ACCTREC/pay_info.htm).

### Fee Adjustments

Fee adjustments of tuition and fees are prorated according to the time the student was enrolled in the University. The dates that percentages apply are published in the University Calendar.

1. 100 percent fee adjustment for any course canceled by the University 100 percent fee adjustment for withdrawals between pre-registration period and prior to the first day of classes.
3. 100 percent fee adjustment between pre-registration and mandatory withdrawal because student is declared academically ineligible to enroll or student not eligible to enroll in course being dropped; requires documentation from Dean of Enrollment Management and Academic Support Services.
4. 75 percent fee adjustment for withdrawals or drops from the official registration period through the 14th calendar day of classes.
5. 25 percent fee adjustment between 14th day and 25 percent of the length of the term.
  - a. No fee adjustment after 25 percent of the term has expired.
  - b. No fee adjustment when the number of credit hours for courses dropped and courses added is equal.
  - c. 75/25 percent fee adjustment rule for courses that begin and end at times different from the starting and ending dates of the semester; based on the course's beginning and ending dates; does not apply to fall and spring semester classes meeting only once each week.
  - d. The fee adjustment percentage is applied to the difference between the per-hour rate for the number of credit hours immediately before the drop or withdrawal and the number

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- immediately afterward.
- e. Title IV financial aid fee adjustments for students withdrawing during their first term will be calculated on a pro-rata basis and applied to outstanding balances in accordance with the U.S. Department of Education Higher Education Act of 1965 as amended.
  - f. Percentage rules apply to out-of-state tuition and refundable fees.

### Student Financial Aid and Veterans Affairs

Austin Peay State University believes that a postsecondary education should be accessible and; therefore, assists students in obtaining the resources needed to pay for their education:

1. Evaluating the family's financial ability to pay for educational costs;
2. Distributing limited resources in an equitable manner; and
3. Creating a balanced package of self-help and gift financial aid.

An array of financial aid programs from scholarships, grants, employment, and loans are available to help students with educational costs. Most awards are based on financial need; a limited number are based on merit or achievement. (The normal amount of time for which a student can receive financial aid is six years). Continuation of the award requires that the recipient attend classes and achieve satisfactory academic progress as identified in the University's Academic Policies and procedures.

Questions regarding student financial aid should be directed to the Office of Student Financial Aid and Veterans Affairs, Ellington 211, P.O. Box 4546, telephone (931) 221-7907 or toll free at 1-877-508-0057. Interested applicants should visit [www.apsu.edu/financialaid/](http://www.apsu.edu/financialaid/) for complete information.

### How to Apply for Student Financial Aid

Awards based on need are determined by a process called financial need analysis. The analysis is standardized by the U.S. Department of Education using a financial formula called Federal Methodology. The Free Application for Federal Student Aid (FAFSA) is the application used to begin this process. When submitting the FAFSA, students are applying for Federal Grants, State Grants, Student Loans, Parent Plus Loans, and the Hope Lottery Scholarship. Only Tennessee residents are eligible for State Grants and Hope Lottery Scholarship. Students should apply via the web at [www.fafsa.ed.gov](http://www.fafsa.ed.gov) after January 1 of the year they intend to enroll in college. An application for admission to the University should be completed at the same time. Students should not wait to be accepted for admission before applying for financial aid. A step-by-step application process is available at [www.apsu.edu/financialaid/](http://www.apsu.edu/financialaid/).

### Grants

#### Federal Pell Grant

This grant is available on the basis of need to undergraduate students who have earned neither a baccalaureate nor professional degree. Pell Grants do not have to be repaid and are prorated based on the number of academic hours for which the student is enrolled on the first day of class as follows:

1. Main campus: less than half-time, 1-5 hours; half-time, 6-8 hours; three-quarters time, 9-11 hours; and full-time 12 or more hours.
2. APSU Center at Fort Campbell: half-time, 3-5 hours; full-time, 6 or more hours.
3. Changes in student enrollment through the 14th day of classes may result in a revision of the grant awarded and may require repayment of funds.

### **Federal Supplemental Education Opportunity Grant (FSEOG)**

Awarded to undergraduate students on the basis of financial need and availability of funds and does not have to be repaid. This grant is based on the number of academic hours the student is enrolled.

### **Academic Competitiveness Grant (ACG)**

An Academic Competitiveness Grant will provide up to \$750 for the first year of undergraduate study and up to \$1,300 for the second year of undergraduate study for full-time students who are U.S. citizens, eligible for a Federal Pell Grant, and who had successfully completed a rigorous high school program, as determined by the state or local education agency and recognized by the Secretary of Education. The Academic Competitiveness Grant award is in addition to the student's Pell Grant award. Complete information is available at [www.apsu.edu/financialaid/](http://www.apsu.edu/financialaid/).

### **National Science & Mathematics Access to Retain Talent (SMART) Grant**

A National SMART Grant will provide up to \$4,000 for each of the third and fourth years of undergraduate study to full-time students who are U.S. citizens, eligible for a Federal Pell Grant and majoring in physical, life, or computer sciences, mathematics, technology, or engineering or in a foreign language determined critical to national security. The student must also have maintained a cumulative grade-point average (GPA) of at least 3.0 in coursework required for the major. The National SMART Grant award is in addition to the student's Pell Grant award. Complete information and a list of eligible majors are available at [www.apsu.edu/financialaid/](http://www.apsu.edu/financialaid/).

### **Tennessee Student Assistance Award (TSAA)**

Available only to undergraduate residents of Tennessee who are enrolled a minimum of half-time and who can demonstrate financial need for a maximum of eight semesters. TSAA is not awarded for summer

sessions and recipients of VA educational benefits are excluded. Application must be made by March 1 of the year in which the student intends to enter college by completing the Free Application for Federal Student Aid ([www.fafsa.ed.gov](http://www.fafsa.ed.gov).) This grant is administered by the Tennessee Student Assistance Corporation (TSAC), Suite 1950, Parkway Towers, 404 James Robertson Parkway, Nashville, TN 37219-5907; toll-free number 1-800-342-1663.

## **Student Loan Awards**

### **Federal Perkins Loans**

This loan is available to both undergraduate and graduate students who demonstrate financial need and is based on funds availability and prorated according to the number of hours for which the student is enrolled. The interest is fixed at 5%; payments on the principal must begin 9 months after graduation or when the recipient drops below half-time status. The loan is made with government and APSU funds and must be repaid to Austin Peay State University.

### **Federal Stafford Loan-Subsidized**

Available to both undergraduate and graduate students, eligibility is based on financial need. Interest on loan is paid by the Federal government while the student is enrolled at least at a half-time status and during a six-month grace period. Completion of FAFSA at [www.fafsa.ed.gov](http://www.fafsa.ed.gov) is required for students wishing to apply. Students must accept loans on AP Self Service.

### **Federal Stafford Loan—Unsubsidized**

Not limited by student's financial need; interest must be paid from the time the money is disbursed. Interest may be paid as it comes due (full-time students) or may be postponed and allowed to accumulate during enrollment at a half-time status. The accumulated interest is added to the original loan amount when repayment begins. Applicant must first complete the FAFSA via

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the web at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). Students must accept loans on AP Self Service.

### Federal Parent Loan for Undergraduate Students (PLUS)

Available to parents of full and half-time dependent undergraduate students; a credit check is performed on the parents to determine the amount of eligibility; credit guidelines apply in determining eligibility. Eligible parents may borrow up to the student's full cost of attendance less any other financial aid the student receives. Repayment starts within 60 days after the loan is fully disbursed. To apply, the student and parent must complete the Free Application for Federal Student Aid (FAFSA) via the web at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). In addition to the FAFSA, a PLUS Loan application must be submitted. The application is available on AP Self Service.

### GRAD PLUS Loans

Graduate students may borrow up to the cost of their education less any other financial aid awarded. Eligibility is based on income need and credit guidelines apply.

### Multiple Loan Disbursements

A lender must issue loan proceeds in at least two disbursements for Federal Stafford subsidized and unsubsidized loans and Parent PLUS Loans. The loan disclosure from the lender includes disbursement dates.

### Annual Loan Limits

Information on annual loan limits is found at [www.apsu.edu/financialaid/](http://www.apsu.edu/financialaid/).

## Merit-Based Awards

### Tennessee Education Lottery Scholarships

Tennessee Education Lottery Scholarships (non-need based) will be awarded to Tennessee high school graduates, including home-schooled students, who have been a resident for one year and who have earned a composite score of 21

on the ACT (980 SAT) OR 3.0 unweighted overall high school GPA and college core GPA out of a possible 4.0. GED applicants must have earned an average GED score of 525 (test must have been taken after January 1, 2008 but before January 1, 2009), and an ACT composite score of 21 (980 SAT). Eligibility requirements for both full-time and part-time students may be found at [www.collegepaystn.com](http://www.collegepaystn.com). All award amounts are estimated, as awards will depend on collection of lottery revenue. Eligibility and renewal criteria and award amounts are subject to change. Check [www.collegepaystn.com](http://www.collegepaystn.com) for the most current requirements.

Application Process. Eligible students must submit a Free Application for Federal Student Aid (FAFSA) available online at [www.fafsa.ed.gov](http://www.fafsa.ed.gov) no later than September 1 for Fall Semester and February 1 for Spring and Summer Semesters. Students should apply immediately after January 1.

### Tennessee Hope Scholarship

\$4,000 per year renewable

### General Assembly Merit Supplemental Scholarship

This scholarship is a \$1,000 renewable supplemental scholarship for those who meet the qualifications for the Tennessee Hope Scholarship and have in addition earned a 3.75 weighted and college core GPA and at least a composite score of 29 on the ACT (1280 SAT). Applicants can only receive one supplemental scholarship.

### ASPIRE Award

This award is a \$1,500 renewable supplemental scholarship for those who meet the qualifications for the Tennessee Hope Scholarship and whose parents earn an adjusted gross income of \$36,000 or less. Applicants can receive only one supplemental scholarship.

### Tennessee Hope Access Grant

This grant is a \$2,625 non-renewable scholarship for students who do not meet

the eligibility requirements for the Tennessee Hope Scholarship. Applicants must have a 2.75 unweighted overall and college core GPA with all required college core courses and a composite score of 18 on the ACT (860 SAT) whose parents earn an adjusted gross income of \$36,000 or less. Students receiving this grant may qualify for the Tennessee Hope Scholarship in their second year.

Renewal Criteria includes a cumulative GPA of 2.75 after 24 attempted hours and a cumulative GPA of 3.0 at 48, 72, 96 and 120 hours. In addition, a total of 24 credit hours must be attempted each year for full-time enrolled students. Eligibility is for five years or up to 120 credit hours for 4-year programs. Students may be eligible for up to 136 credit hours or five years for 5-year programs.

### Part-time Awards and Renewal Criteria.

Applicants enrolling part-time must meet the same criteria as full-time enrollees. Awards for those enrolled in six, seven, or eight hours will receive half of the award of full-time enrolled students, while those enrolled in nine, ten or eleven hours will receive three-quarters of the award. Renewal criteria will be the same as full-time enrolled students, but will be measured at intervals of 12 attempted hours (i.e., 12, 24, 36, 48, etc.). For further information visit [www.collegepaystn.com](http://www.collegepaystn.com).

## Institutional Scholarship Awards

### **Austin Peay State University, State and Donor Scholarships**

Austin Peay State University awards numerous competitive scholarships based on academic merit, special talents or accomplishments and financial need. The requirements for both receiving and retaining the scholarship may be found by accessing [www.apsu.edu/scholarships](http://www.apsu.edu/scholarships). One application permits students to apply for as many scholarships for which they perceive themselves eligible. Academic scholarships awarded to first time students are part of the admissions process. Questions regard-

ing academic scholarships for first time students should be addressed to the Office of Admissions.

### **Outside Scholarships**

Many organizations not directly affiliated with APSU donate funds for students. These include but are not limited to Rotary, Civitan, Community Foundation Groups, Church denominations, and high schools. Students are encouraged to check with organizations that they believe might have funding to assist with educational expenses. For assistance:

Office of Admissions (New Students)  
(800) 844-2778 (toll free) or (931)  
221-7661

Office of Student Financial Aid (Current Students)  
(877) 508-0057 (toll free) or (931)  
221-7907

Office of University Advancement  
(regarding donor scholarships)  
(931) 221-7199

### **Student Employment**

Students employed on campus may work a maximum of 20 hours per week and in a maximum of two campus locations. Students needing employment are encouraged to seek work on campus either through the Federal Work Study program or General Campus Employment.

### **Federal Work Study (FWS) Program**

The University receives federal funds to use to employ students with financial aid on campus while they pursue their education. Students may work a maximum of 20 hours per week during the academic year, depending on the amount of their award, and full-time during the summer. Summer earnings not applied to enrollment during the summer session will be used as a financial resource for the upcoming academic year. Eligibility requires a minimum of half-time enrollment and maintaining a minimum 1.5 GPA. Funds are limited.

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### General Campus Work

University departments may have limited funds to employ students to assist in academic or other tasks. The number of hours students are permitted to work varies upon departments. Applicants must be enrolled at least half-time and maintain at least a 1.5 GPA. Positions are advertised online at <http://www.apsu.edu/hrhomepage/index.htm> or in the department. Questions should be referred to the office of Human Resources (931) 221-7177.

### Disbursement Procedure

One-half of an academic year award (excluding Federal Work Study) is direct deposited in the student's bank account within three days of the beginning of the semester/term. Students who decline direct deposit will receive a balance check two weeks after classes begin. The exception to this policy is for students who are enrolled at the Fort Campbell Center, whose awards will be disbursed in fourths to coincide with the four fall and spring terms. Summer assistance is managed differently and is explained in the Summer Financial Aid application.

If an offer of financial assistance includes employment under the provisions of the Federal Work Study (FWS) Program, the amount of money awarded is the amount of money a student may expect to earn during the award period, as determined from the number of hours to be worked. FWS recipients must report to the Office of Student Financial Aid/Veterans Affairs for job placement and may not start work until the placement has been completed.

### Satisfactory Academic Progress Standards

All students receiving Title IV aid are required to maintain class attendance and satisfactory progress each year as outlined in the Academic Policies and Procedures in this Bulletin in order to continue receiving financial aid. The maximum time frame for completion of a bachelor's degree will be six academic years unless the student has been

enrolled part-time.

Students who lose their eligibility for financial aid may be reinstated when Satisfactory Academic Progress can again be documented. Proof of compliance must be submitted to the Office of Student Financial Aid/Veterans Affairs.

Appeal of an adverse financial aid decision should be made in writing to the Office of Student Financial Aid/Veterans Affairs. Extenuating circumstances must be documented. A counselor will review the completed appeal application with documentation. The student has the right to have a rejected appeal reviewed by the Director, whose decision will be final. The appeal form can be obtained through the Office of Student Financial Aid/Veterans Affairs or via the web at [www.apsu.edu/financialaid/](http://www.apsu.edu/financialaid/).

Satisfactory Academic Progress means that the student is not on academic probation or suspension and meets the guidelines at [www.edu/financialaid/SAT-PROG.htm](http://www.edu/financialaid/SAT-PROG.htm).

### Class Attendance and Official Withdrawals

Students receiving Federal Title IV Financial Aid must attend class on a regular basis. If students cease to attend class, they should officially withdraw from the University. Students who do not officially withdraw and receive "FA" or "FN" grades in their courses, a determination must have been made regarding possible repayment of funds. Students may withdraw by completing the appropriate form located in the Office of the Registrar. See policy on returns and fee adjustments of financial aid on page 39.

## Other Financial Services

### Veterans Benefits

All degree programs offered by Austin Peay State University, as listed in this Bulletin, are approved for veterans' training. The Office of Veterans Affairs (OVA) must certify each veteran's training to the U.S. Department of Veterans Affairs (DVA) before

any payments can be made. DVA benefits are paid only for courses that are needed to fulfill graduation requirements for the program of the recipient's major. APSU has two OVA's: Room 216, Ellington Building for Main Campus; and SSG Glenn H. English, Jr., Army Education Center, Bldg. 202, Room 137 for Austin Peay Center @ Fort Campbell. The OVA maintains all necessary forms for active-duty service persons, reservists, dependents, and veterans to apply for DVA educational benefits. Any questions relating to DVA training at APSU should be directed to the OVA. However, the OVA does not make decisions on eligibility for DVA educational benefits, or on the amount and length of entitlement for which a student is eligible under those benefits. To receive a formal decision, the student must file a claim with the DVA, who makes initial determination on eligibility and payment amount. All claims should be filed through the appropriate APSU OVA so that copies are maintained in the student's APSU file. The programs under which the student may be eligible for DVA educational benefits are listed below. To determine specific eligibility requirements, you should direct your questions to the OVA or the DVA at 1-888-GI BILL1 (1-888-442-4551).

1. Montgomery GI Bill - Active Duty Educational Assistance Program (MGIB-AD) - Chapter 30
2. Vocational Rehabilitation Services - Chapter 31
3. Post-Vietnam Era Educational Assistance Program (VEAP) - Chapter 32
4. Survivors' and Dependents' Educational Assistance Program (DEA) - Chapter 35
5. Montgomery GI Bill - Selected Reserve Educational Assistance Program (MGIB-SR) - Chapter 1606
6. Montgomery GI Bill - Selected Reserve Educational Assistance for Supporting Contingency Operations and Certain Other Operations - Chapter 1607
7. Restored Entitlement Program for Survivors (REPS) - Section 156
8. Education Assistance Test Program -

Section 901

9. Educational Assistance Pilot Program (non-contributory VEAP) - Section 903

### Avoiding DVA Education Overpayment

As a DVA educational benefits recipient, you should understand what you can do to prevent an overpayment:

1. **Report Changes in Enrollment:**

Promptly report any changes in your enrollment to APSU OVA and the DVA. If you notify APSU, and not DVA, it may take longer to correct your payments. Please take note: DVA payment for a month of school attendance is normally made during the following month; that is, you are paid on a reimbursable basis. If you receive a check during a month following a change in enrollment status, make sure you are entitled to the check before negotiating it. If the amount has not changed from your previous check and you have reduced the rate of your training, the chances are good that you are not entitled to this check.

2. **Understand the Consequences of Changes:**

- a. You should understand the University's grading system. If you receive a "nonpunitive" grade of "W" or "I," reduce or terminate your enrollment, DVA will be notified. Upon receipt of the notice, DVA will reduce or terminate your benefits. The payment of DVA educational benefits will not be made for any course that is not computed in the graduation requirements of the program.
- b. If you change your enrollment after the regular drop/add period, the OVA will ask for a statement explaining the events surrounding the change. The law states that no payments will be made for a course from which you withdraw, or for which you receive a "nonpunitive" grade of "W" or "I," unless there are "mitigating circumstances" surrounding the change. DVA defines "mitigating circum-

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stances” as unanticipated and unavoidable events which interfere with a student’s pursuit of a course. If you fail to provide a statement of supporting evidence or the reasons you give are not accepted as “mitigating circumstances,” DVA will reduce or terminate your benefits from the start of the term. Examples of unacceptable “mitigating circumstances” include withdrawal to avoid a failing grade, dislike of instructor and too many courses attempted. The OVA can advise you on acceptable “mitigating circumstances.”

- c. You must report changes in dependency, including your own, if you are receiving an additional allowance for family members.

### 3. If an Education Overpayment Is

**Created:** DVA is required to take prompt and aggressive action to recover the overpayment. The following actions may be taken if an overpayment is not promptly liquidated:

- a. Adding interest and collection fees to your debt;
- b. Withholding future benefits to apply to your debt;
- c. Referring your debt to a private collection agency;
- d. Offsetting the debt from your federal tax refund;
- e. Offsetting the debt from your salary if you are a federal employee;
- f. Filing a lawsuit in federal court to collect the debt; and/or
- g. Withholding approval of a DVA home loan guarantee pending payment of the debt.

education benefits or other governmentally funded educational assistance, subject to the conditions and guidelines set forth in Tennessee Code Annotated 49-7-104 as amended, may elect, upon formal application, to defer payment of required tuition and fees until the final day of the term for which the deferment has been requested. Application for the deferment must be made no later than 14 days after the beginning of the term, and the amount of the deferment shall not exceed the total monetary benefits to be received for the term. Students who have been granted deferments are expected to make timely payments on their outstanding tuition and fees balance once DVA education benefits are being delivered, and eligibility for such deferment shall terminate if the student fails to abide by any applicable rule or regulation, or to act in good faith in making timely payments. This notice is published pursuant to Public Chapter 279, Acts of 2003, effective July 1, 2003.

**NOTE: Students who have a DVA educational benefits overpayment are not eligible for a deferment.**

### Admission to the University Is Required for Receiving DVA Benefits

Students must be fully admitted and seeking a degree at APSU in order to qualify for DVA educational benefits. Non-degree seeking students do not qualify for DVA educational benefits. Admission application is made through the APSU Office of Admissions in the Ellington Student Services Building. Fort Campbell applicants may apply through Austin Peay Center @ Fort Campbell Enrollment Services Office.

### Eligibility for Deferment of Payment of Tuition and Fees for Certain Eligible Students Receiving U.S. Department of Veterans Affairs or Other Governmentally Funded Educational Assistance Benefits

Service members, Veterans, and dependents of veterans who are eligible beneficiaries of U.S. Department of Veterans Affairs

### Applying for DVA Educational Benefits/Initial Tuition Requirements

Application for DVA educational benefits is made through the appropriate APSU OVA. For veterans and reservists, a copy of the DD-214 discharge certificate is required with both the application for admission and the

application for DVA educational benefits. Reservists must submit a copy of the DD Form 2384 (Notice of Basic Eligibility) to the appropriate APSU OVA. For veterans who have remaining entitlement under the Vietnam Era GI Bill (Chapter 34), copies of marriage license, birth certificates for all children who are claimed as dependents, and any applicable divorce decrees are required for submission in order to claim those family members for DVA educational benefit payment. Application for DVA educational benefits does not constitute an application for admission to the University. Students must be prepared to pay tuition and fees at the time of registration. It normally takes at least 12 weeks following an initial application for DVA educational benefits before the first payment can be expected.

For further information, contact the APSU OVA or visit our website at <http://www.apsu.edu/vaoffice/>.

**NOTE: Accelerated courses may affect your VA monthly entitlement.**

### Critical Areas of Concern for Continuing DVA Certification for Benefits

1. **Matriculation:** DVA considers a student to have matriculated when he/she has been admitted to the University as pursuing an approved degree. This means that all documents necessary to be admitted as a regular, degree-seeking student must be received by the Office of Admissions before matriculation is complete. Students who have not been officially admitted into a degree program are not eligible for DVA educational benefits. **IT IS APSU POLICY THAT STUDENTS MUST MATRICULATE BY THE END OF THE FIRST TERM OF ENROLLMENT.** The requirements for full admission must be completed prior to enrollment for the second term of enrollment (see General Requirements for Admission). Certification for DVA educational benefits will not be submitted beyond one term of enrollment for non-matriculated students. The following documents are

required for matriculation:

- a. Application for admission;
  - b. High-school transcript with date of graduation, passing GED, or External Diploma Program;
  - c. All higher education transcripts from other schools (includes Community College of the Air Force) and non-traditional college credits; and
  - d. All applicable test scores (refer to Admissions Requirements).
  - e. All military personnel (active duty, reservists and veterans) must submit documents for military credit.
2. **Proper Degree Pursuit:** In order to be certified to receive DVA educational benefits, students are required to be degree-seeking and enrolled in an approved degree program of study as listed in this Bulletin. Benefit payments will only be made for those courses required in the program of study which count for graduation credit. Students must enroll in and attend the degree-granting institution in order to receive DVA educational benefits. If a change of program is desired, the DVA must be notified by submitting the appropriate notification forms through the OVA.
3. **Audited, Repeated or Excessive Courses:** DVA educational benefit payment will not be made for courses which have been previously passed, whether at APSU or accepted as transfer credit. Courses taken under the Fresh Start and CARE Policy programs fall into this category, as they are taken to increase GPA. Conversely, there is no limit on the number of times a student may repeat a course for which a failing (punitive) grade has been assigned. Electives are considered to be courses which are required for graduation as long as they do not exceed the minimum number of credit hours required for graduation. Electives for which a failing (punitive) grade has been assigned may be repeated until a passing grade is received, as long as each grade is punitive when it is

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originally assigned. However, electives will not be considered for certification purposes, unless the prior credit evaluation is on file with the appropriate APSU OVA. Excessive courses are those courses that a student completes, but the courses will not be used in computing hour requirements for graduation.

Excessive courses will not be certified for DVA payment.

4. **Certification Request Form:** This form is required from each student receiving DVA educational benefits for each term of enrollment, and is available at the appropriate OVA or on the web at [www.apsu.edu/vaoffice](http://www.apsu.edu/vaoffice). The form must be signed by the student to request certification for the term of enrollment.

### Prior Credit Evaluation

An enrollment certification submitted for a DVA educational benefit recipient initially enrolling at APSU, or initiating a program of study different from that previously pursued, must reflect the amount of credit allowed for previous education, training or experience, including military training and experience. This is called “prior credit,” and is that credit which, when applied to the program of study, shortens the program accordingly. The process by which this prior credit is determined is as follows: When a student initially enrolls, all documents required for matriculation must be received by the Office of Admissions within ONE term of enrollment. Following receipt, these documents are evaluated by the Office of the Registrar for transfer credit—that is, the credit from other institutions of higher education, military, etc. which are accepted by APSU as college level transfer credit. Students receive a copy of this evaluation after or upon completion of the transfer credit evaluation. This completed transfer credit evaluation must be applied to the individual program of study to shorten that program, and the result is prior credit. This prior credit must be reported to DVA on the enrollment certification prior to the end of the second term of enrollment of

receiving DVA educational benefits. Once prior credit is evaluated, it is not required again unless the program of study changes; then prior credit must be reevaluated in application to the new program. For graduate students, a copy of the approved graduate program of study must be submitted prior to completion of 12 credit hours or within the second term of enrollment, whichever transpires first.

### Change of Program

The OVA must be informed if a student wishes to change his/her program of study, and the proper request form submitted to the DVA. Upon making a program change, all previous coursework at APSU or other institutions must be applied to the new program as prior credit. Chapter 31 Vocational Rehabilitation students may not change their degree programs without prior approval from the DVA vocational rehabilitation counselor.

### Satisfactory Progress

The OVA must report the student's unsatisfactory progress and terminate DVA educational benefits, at such time he or she no longer meets APSU's standards of progress. All grades, no matter when earned, are part of the permanent transcript and are factored into academic progress. Students placed on academic probation must bring their GPA above the probationary level during the term following the term for which probation was awarded, or DVA educational benefits will be terminated. If benefits are terminated for unsatisfactory academic progress, a written request on VA Form 22-8873 must be submitted by the student for benefits to be reinstated.

### Dual Enrollment Between Main Campus and Fort Campbell

Enrolling at both Main Campus and Fort Campbell creates a special reporting requirement, because the DVA classifies Main Campus and Fort Campbell as two separate educational institutions. Pursuit of a Main

Campus degree makes the Main Campus the primary degree granting institution, and pursuit of a Fort Campbell degree makes Fort Campbell the primary degree-granting institution. Students must be admitted to and pursuing a degree at their primary institution. Students are allowed to temporarily enroll at the secondary institution in classes that apply to the primary degree program. Enrolling at the secondary institution makes a student either transient or concurrently enrolled. Transient means a student is temporarily attending only the secondary institution; concurrently enrolled means that the student is attending both primary and secondary institutions simultaneously. The OVAs at both campuses have the Transient Enrollment Form, whereby courses at the secondary institution must be validated before they can be certified to DVA for payment. Students who are receiving DVA educational benefits should consult their primary institution OVA before enrolling as a transient or concurrently enrolled student.

### **Attending Another Institution While Receiving DVA Benefits at Austin Peay**

Students who plan to attend another institution (in a transient status) while attending and receiving DVA payment at

APSU MUST see the appropriate OVA prior to registering/enrolling at the other institution, or DVA educational benefits for the enrollment at the other institution will be significantly delayed or disallowed.

### **Attendance Policy**

Students must inform APSU OVA of any change in enrollment status (drops, adds, withdrawals, etc.) in order to prevent or reduce overpayment of DVA educational benefits. When the OVA is notified that a student's attendance is unsatisfactory, the benefits for that class will be terminated from the last recorded date of attendance as provided by the faculty member. If no recorded last date of attendance is provided, benefits will be terminated effective the first day of the term.

A grade of FN (student has never attended class) results in the termination of benefits from the first day of the term; a grade of FA results in termination from the last recorded date of attendance.

Students may use AP Self Service for Students (<http://webss.apsu.edu>) to view all their APSU VA information; this website will inform the VA student of his/her approved certified courses.

# University Academic Policies

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University academic policies and procedures apply to all University programs. Policies and procedures unique to individual programs are stated in the Bulletin in the requirements of the program or major.

## **Academic Advising**

Deliberate and intentional academic advising at Austin Peay State University guides students in making responsible academic and career choices, setting goals, and developing education plans to realize these goals. The process begins when a student enrolls at Austin Peay and continues through graduation. Faculty members and professional advisors assist students by helping them identify and assess the alternatives and the consequences of academic decisions. The academic advisor is one of the most important contacts at the University and should be sought out by the student at any time academic assistance is needed.

## **Declared Students**

Students who have declared majors meet with a faculty member from the department of the major at the time of initial enrollment (Summer or Winter Welcome). Declared students are then

assigned a permanent advisor by the department who is a faculty member in the department of their majors during the first semester of enrollment. The faculty advisor can advise students regarding General Education requirements, major requirements, job possibilities, internships, research with faculty, applied university community experiences, and can guide the student in using campus resources as needed. Students must meet with their advisor once each semester to review their educational plan, select courses for the following semester, and register. At the end of the advising session, the advisor will provide the student with a Alternate PIN which the student must use to complete the registration process. Academic departments organize their advisement procedures differently; therefore, students should contact the departmental secretary to arrange an appointment with the faculty advisor if the faculty member does not have advising hours posted.

## **Undeclared Students**

Students who have not declared a major, students who have been conditionally admitted to APSU, students who are not

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seeking a degree (special and transient students), and dual enrollment students are assigned to the Career and Advisement Center located in Morgan University Center, Room 310, to be advised by professional advisors. These advisors are trained and available to assist students in selecting courses that meet the General Education requirements, identify career and vocational goals, meet university expectations, and choose a program of study.

### Registration

The Office of the Registrar, located in Ellington 316, is the central administrative office responsible for the registration process, maintaining permanent academic records, performing degree audits, enforcing the academic policies of the University, and generally ensuring that student academic issues are dealt with accurately and professionally. This office approves requests for student data from the computerized student record system (Banner).

APSU students register via the web. The registration process includes three phases. The dates for each phase are stated in the official University calendar on the web.

- Priority registration—open to currently enrolled students.
- Open registration—open to new students and readmitted students.
- Late Registration; Drop/Add period—open to all students eligible to enroll for a given semester.

### Holds on Registration

Holds may be placed on a student's registration in order to satisfy an obligation owed to the University. Holds are communicated to the student via AP Self Service. The most frequent holds are for debts owed the University, such as an unpaid parking ticket or library fine, or for an academic deficiency which must be removed before a student can proceed. Registration, transcript request, and graduation cannot proceed unless a hold is removed.

### Classification of Students

The academic standing or classification of undergraduate students is based on number of credit hours they have earned as follows:

Level	Number of Credit Hours Earned
Freshman	0-29
Sophomore	30-59
Junior	60-89
Senior	90 and above

### Full-Time Load

The basic unit of all college work is the "semester credit hours." For undergraduate students, twelve (12) semester hours for Fall or Spring semester is a full-time load in determining such things as veteran status, financial aid, and insurance eligibility. However, the usual load for a full-time undergraduate student is at least 15 semester hours. Because the summer term is approximately one-third the length of the semester, the workload for one course is three times as heavy. APSU strongly recommends students register for no more than six semester hours in each summer term. Graduate students who enroll for nine (9) hours during the semester are considered full-time.

### Auditing

Auditing (no credit awarded) of courses will be permitted for regularly enrolled students who have obtained the permission of the instructor. Proper paperwork obtained and filed in the Office of the Registrar must be completed before the end of late registration. Such courses count at full value in computing the student's course load and fees, and the student's name appears on the official class roll and should appear on the student's approved schedule of classes. Students who wish to audit a course must submit an Audit Card before the end of late registration. Once the card has been submitted, the student may not change audit status. The grade awarded is AU and has no effect on the student's grade-point average;

it cannot be changed at a future time. Students may not receive financial aid for audited courses.

### Internship

Some academic programs offer the opportunity for internships for which students can earn credit that applies toward the degree. The department which houses the program facilitates all aspects of the internship and awards a grade when the internship is completed.

### Maximum Loads

Students who meet full admissions requirements may enroll in and receive credit toward graduation in a maximum of 18 credit hours during the fall and spring semesters. This includes registrations at all colleges and universities and AP Center at Fort Campbell. A deviation from this policy must be approved on a Request for Overload form by the student's advisor or the department chair and the dean of the college in which the student's major is housed. The maximum load for undergraduate students during the summer terms is eight (8) hours in either five-week session or fourteen (14) hours during the entire summer term.

### Prerequisites and Corequisites

A number of APSU courses require the completion of prerequisites by students who wish to enroll in the courses. Therefore students should attempt to schedule courses that serve as prerequisites for advanced study early in their academic career. Courses numbered 1000-2999 are designed to serve as preparation for upper division requirements. Students may not enroll in any course for which they have not completed the prerequisite satisfactorily or in which they are not enrolled during the priority registration period. Corequisite courses must be taken concurrently and will be listed as such in course descriptions.

### Classification of Courses

Courses of instruction for degree credit in the curriculum of the University are divided into three categories: lower division courses (typically regarded as freshman and sophomore level) are numbered 1000-2999; upper division courses (junior and senior level courses) are numbered 3000-4999. Graduate courses are numbered 5000 and above. Undergraduate students may enroll in graduate courses only if they meet minimum requirements as listed in the GRADUATE BULLETIN and receive prior approval of the Dean of Graduate Studies. Courses numbered below 1000 do not count for degree credit, but do count for determining fees, enrollment status and grade point average (GPA).

### APSU 1000 Requirement

All students who enter Austin Peay State University having earned fewer than 12 semester credit hours in college or university classrooms (including web courses) must enroll in APSU 1000 during the first semester of enrollment. Conditionally admitted students must enroll in designated sections.

### Enhanced Courses with SLA Requirement

[www.apsu.edu/academic\\_support/](http://www.apsu.edu/academic_support/)

Students whose ACT, SAT, or COMPASS mathematics and English scores do not meet the requirements of the Tennessee Board of Regents required for university-level courses must enroll in an enhanced section of the appropriate core course. The corequisite of all enhanced sections is Structured Learning Assistance. Assessment scores that place students in enhanced mathematics are: ACT 15-18; SAT 350-450; COMPASS pre-algebra 30, algebra 20-49. Assessment scores that place students in enhanced English are: ACT 15-18; SAT 390-450; COMPASS 39-74.

### Academic Standards and Regulations

Students are responsible for participating in academic advisement and for adher-

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ing to the schedule of courses for which they register unless they officially make changes. Students may drop and add courses using AP Self Service and can withdraw from the University by submitting required forms to the Office of the Registrar within the time limits established in the official University Calendar, which is available on the web.

### Class Attendance

Students are expected to attend class regularly, to participate in class, and to be prepared with assignments. The University requires faculty to report students who have never attended or who stopped attending class. The impact of class attendance on the final grade is within the purview of the teaching faculty, and faculty will inform class members of their attendance policies through a course syllabus distributed at the beginning of the semester or term. Irregular attendance may result in referral to the Academic Support Office (Academic Alert).

### Grading System

At the end of each semester, the student's quality of work is graded by the instructor. The grades are indicated by letters on a four-point system being used:

Grade	Interpretation	Quality Points Per Semester Hour of Credit
A	Excellent	4
AU*	Audit	–
B	Good	3
C	Average	2
D	Below Average	1
F	Failure	0
FA	Failure, stopped attendance (unofficial withdrawal)	0
FN	Failure, never attended class(unofficial withdrawal)	0
P*	Pass, on Pass-Fail Course	–
XF*	Failure, on Pass-Fail Course	–
I*	Incomplete	–
IP*	In Progress (limited to COMM 3400, CHEM 4940, and BIOL 4830 & 4840)	–
W*	Withdraw	–
NR*	Not Recorded	–

\*Not calculated in GPA

Students who miss an examination because of extenuating circumstances must request approval from the instructor. Unless the student is officially representing the University off campus, the discretion of the instructor determines the action regarding missed exams or work. Class absenteeism that results in the grade of "FA" (failure, stopped attending) or "FN" (failure, never attended) may affect the student's time status, financial aid repayment, and/or veteran's benefits.

### Inclement Weather

Austin Peay State University offices may remain open during periods of inclement weather. Please see the APSU website at [www.apsu.edu](http://www.apsu.edu) to check if classes are cancelled or the University is closed due to inclement weather. Unless the University officially cancels classes, students are responsible for any academic work missed as a result of inclement weather. It is the individual student's responsibility to take the initiative in making up any missed work.

Grades of "A", "B", "C", "D" carry the appropriate quantity and quality credits, and all grades calculated in the GPA affect the student's academic standing. Students must maintain a minimum 2.0 APSU, Major, Minor and overall GPA in order to graduate.

### Quality Points and Grade-Point Average (GPA)

Students must obtain a degree of excellence higher than is indicated by a minimum passing grade. For determining the qualitative standing of a student, quality credits are used. To graduate, a student must make a “C” (2.00) average on all credits attempted—that is, earn twice as many quality points as quality hours attempted. In determining the academic standing and grade-point average of a student, the following two factors are used:

1. Total quality hours of credit the student has attempted. (In the case of a repeated course, the course is counted as attempted one time only, except as stated under the “Course Repeats” section.) Courses taken on a Pass-Fail basis, “I” and “IP” grades are not included in the hours attempted.
2. Total quality points earned in courses. (In the case of a repeated course, only the quality points earned the last time the student receives a grade in the course are included, except as stated under the “Course Repeats” section.) Quality points are not earned in courses taken on a Pass-Fail basis.

The Grade-Point Average (GPA) is determined by dividing the total quality points earned by the total quality hours attempted, including all courses attempted at APSU and at other institutions (transfer work).

### Grade Reporting

Students are assigned a grade in a course at the end of the semester or term. A mid-term grade must be awarded in all courses numbered 1000-2999 and may be awarded in upper division courses; they do not affect University GPA.

### Grade of Incomplete

A grade of incomplete (I) must be changed within one calendar year or the grade of “I” will automatically convert to a

grade of “F.” After the grade of “F” is recorded, the student will have one calendar year to appeal the “F” grade through the instructor of the course. If approved, a Change of Grade Form must be submitted to the Office of the Registrar no later than one calendar year after the grade of “F” was recorded by the Dean of the college with his/her signature.

### Pass-Fail Grading

Students, except those on academic probation, will be permitted to take some courses, excluding core courses, in which they may receive a grade of Pass or Fail. These courses are identified in the Course Descriptions section. In order to be eligible for this program, the student must have satisfactorily completed 24 semester hours at APSU, must be enrolled full-time (12 hours) in letter-grade courses, and may take only one such course. Other than for the exceptions listed in certain programs, no student will be permitted to apply toward a degree more than 12 semester hours of traditional credit graded with Pass.

Participating students will be awarded a grade of “P” if the required coursework was judged by the instructor to be at a level of “C” or above. Such courses do not impact grade-point averages for graduation or for honors. Students must have the permission of the instructor to enroll on a pass/fail basis unless the course is designated as a pass/fail course. A student may change to a pass/fail basis only during the normal drop/add period.

### Not Recorded (NR) Grade

A grade of “NR” will be recorded for all courses in which an instructor fails to enter a final grade. Students should contact the instructor immediately if a grade of “NR” has been recorded.

### Dropping Courses

After a student has officially registered for a class, the student is considered to be a member of the class unless the student officially drops the class, officially withdraws

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from the University, is canceled by administrative authority, or is permanently excluded by the Student Academic Grievance Committee. All financial obligations are retained when the student discontinues class attendance without officially dropping or withdrawing from the University. Students will be awarded a grade of “W” when the course is dropped within the time limit established by the University for an automatic “W.”

### Grades Awarded for Dropped Courses

The grade awarded for a dropped course or for courses from which the student withdrew depends on the date the student withdrew from the course or from the University. The dates for awarding grades appear in the official University calendar.

1. A grade of “W” is awarded when the student drops or withdraws within the time period the University has established for awarding an automatic “W.” The grade has no impact on the student’s cumulative GPA.
2. A grade of “F”, “FA” or “W” will be awarded if the student drops or withdraws between the automatic “W” date and the automatic “F” date. A grade of “W” will only be awarded if the instructor determines the student is passing at the time of withdrawal.
3. A grade of “F” or “FA” is awarded during the mandatory “F” period. Very limited exceptions are made and require the student present to the Dean of the College of the student’s major documented acceptable reasons establishing the existence of extenuating circumstances. Undeclared students must be approved by the Dean of Enrollment Management and Academic Support Services. The dean’s decision is communicated to the instructor.

### Withdrawal from the University

Official withdrawal requires all courses be dropped by submitting the required form located online at <http://www.apsu.edu/>

[records/forms.htm](#), obtaining the necessary signatures, and returning the form to the Office of the Registrar. Any fee adjustment of tuition and fees will be based on the published schedule for fee adjustments included in the Official University Calendar and the date the completed *withdrawal form* is submitted to the Office of the Registrar. Withdrawal from the University may require repayment of financial aid. Students receiving financial aid should meet with a financial aid counselor prior to withdrawal. For fee adjustments...



### Grade Changes

Errors in grades must be reported to the instructor of the course immediately. In general, no grade changes will be made one calendar year after the grade was assigned without the approval of the college dean and Provost.

### Grade Appeal

Students may appeal course grades with their instructor within one calendar year from the date the grade was submitted to the Office of the Registrar. Once a degree has been posted to the transcript, the academic record is deemed complete, and changes will not be made on grades prior to the posted degree. Review the Academic Grievance Policy section in the STUDENT HANDBOOK for appeal procedures.

### Access to Grades

Students may obtain their mid-term and final grades through AP Self Service for Students (<http://webss.apsu.edu>).

### Compass Assessment

Students over 21 who enter APSU without valid ACT scores (taken more than 3 years prior to admission) must complete the COMPASS assessment in the Testing Center (Main Campus), Ellington 202, or at Austin Peay Center, Fort Campbell. Students must make an appointment with the Testing Center. Students who require COMPASS assessment include those listed below.

1. Prospective students 21 and over who

are applying to Austin Peay and who cannot provide valid ACT/SAT scores must complete the entire COMPASS assessment before being admitted.

2. International students without valid ACT or SAT scores must complete the entire COMPASS battery or follow the guidelines for testing.
3. Transfer students who lack a high school unit in English or algebra (regardless of ACT scores) must complete the reading and writing subtests or mathematics subtest as appropriate.
4. Transfer students who enter with fewer than 60 credit hours from a regionally accredited college or university who do not submit valid ACT or SAT scores and have not earned college-level algebra-based mathematics or English composition credits must complete the COMPASS assessment in the appropriate areas.

COMPASS scores are used for placement in English, mathematics, and reading. Students whose mathematics and English scores document insufficient preparation for college-level courses must complete additional assessments and enroll in enhanced (E) sections of English and/or mathematics. Students whose scores place them in remedial classes or in developmental reading do not require the additional assessment. COMPASS scores are valid for 3 years. Further information may be found by visiting [www.apsu.edu/compass](http://www.apsu.edu/compass).

### Transferability of Credit

Austin Peay accepts credits from other regionally accredited colleges and universities as transfer credit. Substitutions of transfer credit in the requirements of the major must be approved by the department in which the major is housed. Students may appeal the denial of transfer of credit from non-regionally accredited institutions; the decision regarding such credit is deferred until after registration at APSU. Stipulations that apply to transfer credit include:

1. All Transfer Hours Attempted, Hours Earned, Quality Points, and Grade-Point averages earned at other colleges and universities will be included in the APSU academic record.
2. Courses earned with grades of "A," "B," "C," "D," or "P" will be considered for applicability toward the APSU degree; only grades of "A," "B," or "C" will be accepted for English 1010 and remedial courses. A grade of "F" will be posted on the APSU academic record. Transfer grades are equated to the APSU grading system (see page 56).
3. Courses earned with grade of "I" will transfer to APSU as a grade of "F."
4. The completion of an Associate of Science or Associate of Arts degree in a university parallel (transfer) program at any Tennessee Board of Regents two-year institution, as stated in the institution's 1988 or later Bulletin, satisfies the General Education core requirements for the BBA and BS and all core requirements for the BA except for Humanities Foreign Language (6 hours). Moreover, certain requirements of specific degree programs at APSU may be satisfied by careful selection of General Education core courses at the two-year institution. This policy also applies to Hopkinsville Community College if six semester hours of American History have been included and if their core has been met without exception. The Associate of Applied Science programs at Fort Campbell, TBR Community Colleges or Hopkinsville Community College do not fulfill the General Education core requirements for the baccalaureate degree.
5. The completion of a baccalaureate degree from any institution or the equivalent of a baccalaureate degree from a foreign university as certified by an educational credential agency may satisfy the General Education core requirements for a second bachelor's degree, unless the American History requirement in this Bulletin has not been met.

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6. There is not a maximum or minimum number of hours of credit that can be transferred from a community or junior college. Only lower division credits are transferable from a community or junior college. Courses will be evaluated on an individual basis as to their applicability toward degree requirements and must meet all University degree requirements.
7. APSU grants non-traditional credit for military service and service schools in accordance with the recommendations included in the "Guide to the Evaluation of Educational Experiences in the Armed Services," published by the American Council on Education.
8. APSU grants credit for courses completed only from institutions that are accredited by the appropriate regional accrediting association for colleges and universities.
9. Credit earned as a transient student that will be transferred to APSU must be approved on a Coursework Approval Form before the student's registration.
10. Only new transfer students beginning Fall 1999 may be considered for transfer credit from a non-regionally accredited institution of higher learning when requested during their first term at Austin Peay. Readmit, SOCAD, and currently enrolled students may request consideration for only such credits earned during or after Fall 1999. Course equivalency credit may be awarded only after review and approval by the appropriate academic department chair or designee and dean. One application for Transfer Credit form is required for each course requested for acceptance. A course competency examination or other evidence may be required as a part of this process.
11. Transfer applicants who have a valid ACT English score of 28-30 (SAT/SAT I verbal/critical reading 630-690) may receive credit for English 1010. Those with a valid ACT English score of 31-36

(SAT/SAT I verbal/critical reading 700-800) may receive credit for English 1010 and 1020. Students will receive this credit only if they have not already received college credit for English 1010 and 1020.

### Life/Work Portfolio Experiential Learning Credit

#### Options at the Undergraduate Level

Austin Peay State University offers The Experiential Learning Program for assessing college-level knowledge gained through work and life experiences. Prior learning may be evaluated through a variety of assessment tools. The tools may include departmental examinations, portfolios, external examinations, performance assessments or documented training programs, as determined by academic departments. Each department may determine whether it will participate in the experiential credit process or accept credits earned via the portfolio process. The following departments will participate in the experiential credit process: Communication and Theatre, Professional Studies, Health and Human Performance, and Computer Science and Information Technology.

A student may earn a maximum of 15 semester hours at the undergraduate level through experiential learning credit. The APSU prescribed credit allocations for experiential credit fall within the established Southern Association of Colleges and Schools parameters for experiential credit.

#### Portfolio Development

Upon approval by the appropriate chair a student may develop a portfolio for a course or courses offered by Austin Peay State University to gain college-level credit. Portfolios are submitted to the faculty advisor and/or the department chair(s) of the appropriate department(s). The process ideally includes a preliminary study of the portfolio, an interview with the student, and the determination of credit to be awarded by the faculty assessor. A student seeking experiential learning credit should consult with the appropriate department chair or advisor.

riential credit via a life/work portfolio must complete an APSU non-credit portfolio development course through the Center for Extended and Distance Education.

The following regulations for experiential learning credit will apply:

1. Experiential learning credit will be granted upon the written recommendation of the chair of the department and/or designated faculty assessor having jurisdiction over the courses involved.
2. The applicability of experiential learning credit toward specific degree program requirements is subject to departmental approval.
3. A student may not fail a course at Austin Peay State University or any other institution and later receive credit for the same course through an experiential learning option.
4. Credit earned from non-accredited institutions may not be used as a basis for credit earned via a portfolio.
5. A student may not enroll in a course for credit or audit at Austin Peay State University and subsequently seek credit through an experiential learning option.
6. No letter grades will be entered on the transcript for experiential learning credit. The credit will be treated in the same way as transfer credit: a "P" (Pass) will be assigned and it will not count in the grade point average.
7. A student earning experiential credit must meet the minimum residency requirements of 25 percent of the total number of credits required for the degree at Austin Peay State University. This would include the specified residency hours of upper-level courses in the department of the declared major. The student should be aware that some program residency requirements exceed the university minimum residency requirements.

The privilege of seeking experiential learning credit is available to both full-

time and part-time degree status students. A student should meet with his or her program advisor at the beginning of the academic career at Austin Peay State University to determine how experiential learning may be applicable to the degree. For further information, contact the Dean of Extended and Distance Education.

Students must choose CLEP, departmental challenge exams or other approved mechanisms to receive credit for prior knowledge when available in lieu of seeking credit via a portfolio.

Candidates for portfolio credit are:

1. Returning students with significant work experience
2. Employed at least 5-7 years in a particular field, with increasing responsibilities
3. Highly organized – effective speakers and writers
4. Highly motivated – will work independently to complete a project
5. Able to reflect on work and training

**Credit by Testing**

A student may receive university credit by AP, IB, CLEP, or other such examinations and by experiential learning.

**Advanced Placement (AP)**

Austin Peay State University honors Advance Placement (AP) credit for certain classes in which an equivalent is offered and for which the required score is achieved. For details on scores required and course equivalencies, visit <http://www.apsu.edu/records/bulletin/BULLETTINS.htm> or see page 62 of the University Bulletin.

**International Baccalaureate (IB)**

Austin Peay State University honors International Baccalaureate (IB) credit for certain undergraduate classes for which an equivalent is offered and for which the required grade is achieved.

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### College Level Examination Program (CLEP)

#### CLEP General Examinations

Students who have earned fewer than 60 hours of traditional college credit may receive university credit by satisfactorily completing the appropriate CLEP (College Level Examination Program) general exam. Students seeking such credit must have earned no credit for a similar course for which the credit is to be awarded. A six-month waiting period is required before a student can repeat a general examination. Contact the University Testing Center for additional information regarding CLEP exams, see page 63 of the University Bulletin, or visit [www.apsu.edu/testing](http://www.apsu.edu/testing) for the list of CLEP general examinations and the APSU courses for which the credit can be applied.

#### CLEP Subject Examinations

In order to receive credit for the CLEP Subject Examinations the students must not have received credit in a similar course for which the credit is to be awarded. Both the objective tests and the essay tests may be required for Subject Examinations. A waiting period of six months is required before a student is eligible to repeat any Subject Examination. Contact the Testing Center for additional information on CLEP Examination, see page 63 of the University Bulletin, or visit [www.apsu.edu/testing](http://www.apsu.edu/testing).

### Certified Professional Secretary (CPS)

Students who have successfully passed the Certified Professional Secretary (CPS) examination may submit scores to the Office of the Registrar and receive undergraduate credit. Courses for which credit may be received may be found at <http://www.apsu.edu/records/index.htm> or see page 63 of the University Bulletin.

### Correspondence Credit

Credit earned upon completion of correspondence courses taken from a regionally accredited university will be accepted. Students registered at APSU must have permission on the Coursework Approval Form to

take a correspondence course. While in residence at the University, the student may not take English Composition by correspondence.

### Departmental Proficiency Examinations

Some academic departments give proficiency examinations to students under limited conditions in conjunction with an instructor who is willing to administer and grade the examination. Students should have the requisite knowledge and skills upon completion of existing courses, from previous experience, or personal expertise. Students should contact the respective department chair about potential courses for departmental proficiency examinations. Students must complete the Application for Departmental Proficiency form (available from the Office of the Registrar) and pay the respective fees prior to the examination. To be acceptable for credit the student must have attained a minimum grade of "B" on the examination.

### CYBIS

Credits earned through interactive computerized instruction CYBIS will be evaluated using ACE guidelines.

### Defense Activity for Non-Traditional Education Support (DANTES)

Credit earned through DANTES-Subject Standardized Tests (DSSTs) will be evaluated using ACE guidelines. DANTES are available from the Testing Center.

### Non-Traditional Credits

Students may be able to receive college credit for other experiences and examinations. A complete list of examinations and experiences and the courses for which the student may receive credit may be found at <http://www.apsu.edu/records/index.htm>.

### Law Enforcement and Corrections Training Credit

Upon completion of one APSU course, a regular admitted student may request evaluation of training received from the follow-

ing Tennessee academies: Metropolitan Police Department (Nashville), Tennessee Basic Police School (Donelson), Tennessee Department of Safety (Donelson) and Tennessee Department of Corrections (Tullahoma).

**Military Service Experience**

Students are eligible to receive non-tra-

ditional credit for military experiences after successfully completing one course at APSU and attaining regular student status. Military experience is evaluated using the appropriate ACE Guide recommendation. Students who have completed Basic Training are awarded two hours of Physical Activity and three hours of HHP 1250 –Wellness Concepts and Practices (see page 322).

**AP - ADVANCED PLACEMENT EXAMINATIONS**

The following Advanced Placement (AP) Examinations of the College Examination Board (CEEB) are accepted for credit toward a degree.

CEEB AP TEST	APSU COURSE(S)	CREDIT HOURS	MINIMUM SCORE
Art: Studio Art-Drawing Portfolio	ART 1040	3	3
Art: Studio Art-General Portfolio	ART 1010	3	3
Biology	BIOL 1010, 1011	4	3
Calculus AB	MATH 1910	5	3
Calculus BC	MATH 1910, 1920	10	3
Chemistry	CHEM 1010, 1011 or CHEM 1110, 1111	4	3
Chemistry	CHEM 1010, 1011, 1020 or 1110, 1111, 1120, 1121	8 or 10	4
Computer Science A	CSCI 1010	3	3
Computer Science AB	CSCI 1010, 2010	6	3
Economics: Macroeconomics	ECON 2010	3	3
Economics: Microeconomics	ECON 2010, 2020	6	4
English Language & Composition	ENGL 1010	3	3
English Literature & Composition	ENGL 1010, 1020	6	3
French Language	FREN 1010, 1020	8	3
French Literature	FREN 1010, 1020	8	3
German Language	GERM 1010, 1020	8	3
History of Art	ART 1030	3	3
Latin	LATIN 1010, 1020 LATIN 1010, 1020, 2010	8 11	3 4 or 5
Music Theory I	MUS 1180	3	3
Music Theory I & II	MUS 1180, 1190	6	4
Music: Aerial Skills I	MUS 1185	1	3
Music: Aerial Skills I & II	MUS 1185, 1195	2	4
*Physics B	PHYS 2010 PHYS 2010, 2020	4 8	3 4
*Physics C	PHYS 2110 PHYS 2110, 2120	4 8	3 4
Psychology	PSY 1010	3	3
Spanish Language	SPAN 1010, 1020	8	3
Spanish Literature	SPAN 1010, 1020	8	3
Statistics	MATH 1530	3	3

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United States Government & Politics	POLS 2010	3	3
United States History	HIST 2010	3	3
United States History	HIST 2010, 2020	6	4
World History	HIST 1220	3	4

\*No laboratory credit awarded

### Certified Professional Secretary (CPS) Credit

APSU COURSES	CREDIT HOURS
<b>Part I: Finance &amp; Business Law</b>	
MT 2010	3
MT 2250	3
ECON 2010	3
Elective Credit	1
<b>Part II: Office Systems &amp; Administration</b>	
CTIM 2210	3
CTIM 2300	3
CTIM 2350	3
Elective Credit	4
<b>Part III: Management</b>	
MT 2050	3
Elective Credit	6
<b>Total Hours</b>	<b>32</b>

**NOTE:** Tests taken before November 1994 will receive different credit based on test changes.

### CLEP - College Level Examination Program General Examinations Credits

CLEP General Examination	Minimum Score	APSU Credit/Course
English Composition (with or without essay)	50	3 hours elective credit
Humanities	50	6 hours for ART 1030 & MUS 1030
College Mathematics	50	6 hours elective credit
**Natural Sciences	50	6 hours elective credit
Social Sciences & History	50	6 hours elective credit

\*\*Does not meet Liberal Arts Core Science requirement

### CLEP - College Level Examination Program Subject Examination Credits

CLEP SUBJECT EXAMINATIONS	APSU COURSES	CREDIT HOURS	MINIMUM SCORE
American Government	POLS 2010	3	50
American Literature	ENGL elective	3	50
*Analyzing & Interpreting Literature	ENGL 1020	3	50
Calculus with Elementary Functions	MATH 1810, 1820	6	50
College Algebra	MATH 1710	3	50
College French ( Levels I & II)	FREN 1010, 1020	8	50
College German ( Levels I & II)	GERM 1010, 1020	8	50
College Spanish (Levels I & II)	SPAN 1010, 1020	8	50
English Literature	ENGL elective	6	50

*Freshman College Composition	ENGL 1010	3	50
General Biology	BIOL 1010, 1011	4	50
General Chemistry	CHEM 1110, 1111, 1120, 1121 or CHEM 1010, 1011, 1020, 1021	8 or 10	50
History of the United States I: Early Colonization to 1877	HIST 2010	3	50
History of the United States II: 1865 to the Present	HIST 2020	3	50
Human Growth & Development	PSY 3110	3	50
Information Systems & Computer Applications	CSCI 1000	3	50
Intro to Educational Psychology	PSY 3130	3	50
Introductory Business Law	BLAW 3300	3	50
Introductory Psychology	PSY 1010	3	50
Introductory Sociology	SOC 2010	3	50
Precalculus	MATH 1730	4	50
Principles of Macroeconomics	ECON 2010	3	50
Principles of Management	MGT 3010	3	50
Principles of Marketing	MKT 3010	3	50
Principles of Microeconomics	ECON 2020	3	50
Western Civilization I: Ancient Near East to 1648	HIST 1210	3	50
Western Civilization II: 1648 to Present	HIST 1220	3	50

\*Both the essay portion and the objective portion of the Freshman College Composition test and the Analyzing and Interpreting Literature tests are required to receive credit for English 1010 or English 1020.

**Law Enforcement and Corrections Training**

Upon completion of one APSU course, a regular admitted student may request evaluation of training received from the Tennessee academies listed below. A maximum of one half of the credit required for the A.A.S. degree in Management Technology with a concentration in Police Science and Administration may be applied from a combination of this training credit.

**Metropolitan Police Department (Nashville)**

LEN 1020 Criminal Law & Procedures	3
LEN 1040 Police Firearms & Defensive Tactics	3
LEN 1190 Unarmed Defense Tactics	3
LEN 2080 Internship in Criminal Justice	3
<b>Total Maximum Credits</b>	<b>12</b>

**Tennessee Basic Police School (Donelson)**

LEN 1040 Police Firearms & Defensive Tactics	3
LEN 2030 Criminal Evidence	3
LEN 2080 Internship in Criminal Justice	3
<b>Total Maximum Credits</b>	<b>9</b>

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### Tennessee Department of Safety (Donelson)

LEN 1040 Police Firearms & Defensive Tactics	3
LEN 2030 Criminal Evidence	3
LEN 2080 Internship in Criminal Justice	3
<b>Total Maximum Credits</b>	<b>9</b>

### Tennessee Department of Corrections (Tullahoma)

LEN 1040* Police Firearms & Defensive Tactics	3
COR 1050 Survey of Institutional Corrections	3
COR 1060* Introduction to Criminology	3
COR 2090 Seminar in Corrections	3
<b>Total Maximum Credits</b>	<b>9</b>

\*Juvenile Correctional Officers receive credit for COR 1060, instead of LEN 1040.

### Excelsior College Examination

The School of Nursing grants credit for the following Excelsior College Exam in nursing for (RN-BSN) registered nurses. If a student does not pass the examination, it may be retaken once. If the minimum score is not made, the RN/BSN student must take and pass that course within the APSU Nursing Program. Official scores must be sent to the APSU Office of Admissions and the School of Nursing. After careful review, a memo with scores attached will be forwarded to the Office of the Registrar for recording to the academic record. Contact the School of Nursing for additional information.

EXCELSIOR COLLEGE EXAM	APSU COURSES	CREDIT HOURS	MINIMUM SCORE
403 Fundamentals of Nursing	NURS 3030	8	45
457 Maternal & Child Nursing	NURS 4040	9	45
503 Psychiatric & Mental Health	NURS 3060	8	45
554 Adult Nursing	NURS 3070	8	45

### PONSI - National Program on Non-collegiate Sponsored Instruction

Credit earned through PONSI will be evaluated using the National PONSI guide.

#### Academic Status

Three levels of academic status exist: good standing, academic probation, and academic suspension. Students placed on academic probation or academic suspension receive notification from the Office of the Registrar at the end of the semester or term the status was earned.

#### Good Standing

This status means that the student is meeting the minimum standard for reten-

tion. Satisfactory Academic Progress means that the student is not on academic probation or suspension and meets the following GPA requirements:

- 1.5 for 0-29 hours attempted
- 1.8 for 30-45 hours attempted
- 1.9 for 46-59 hours attempted
- 2.0 for 60 and above hours attempted

Graduation requirements require that the student earn a cumulative GPA of 2.00, a minimum APSU GPA of 2.00, a minimum GPA of 2.00 in the major, and a minimum GPA of 2.00 in the minor if applicable. Programs may require a higher GPA for retention in the program.

### Dean's List

At the end of each specific semester/term a list of honor students, known as the Dean's List, is published. To qualify for this distinction the main campus student must earn at least 12 credits (university-level courses only) with a minimum semester/term GPA of 3.50. Courses taken on the Pass-Fail grading system and Remedial Studies will not be included in hours earned for purposes of the Dean's List.

### Austin Peay Center @Fort Campbell

At the end of each term a list of honor students, known as the Dean's List, is published. Students attending the Fort Campbell campus qualify for this distinction using two methods: at least 12 hours in one term (university-level courses only) with a minimum term GPA of 3.50; or, a combination of at least 12 credits (university-level courses only), in consecutive Fall I and Fall II, or Spring I and Spring II terms.

### Graduating with Honors

Students who earn a cumulative grade point average as follows will graduate with honors:

3.50 - 3.69	CUM LAUDE
3.70 - 3.89	MAGNA CUM LAUDE
3.90 - 4.00	SUMMA CUM LAUDE

University-level courses only apply.

### Academic Probation

A student will be placed on academic probation at the completion of any semester/term or summer session when the student's cumulative GPA falls below the following:

Quality Hours Attempted	Minimum Grade Point Average
11 or less	no minimum
12 - 29	1.50
30 - 45	1.80
46 - 59	1.90
60 and above	2.00

Quality hours attempted include all courses and hours except for grades of "AU,"

"I," "IP," and "W." Students on academic probation are limited to a credit load of 14 hours during the Fall and Spring semesters, or six hours at Fort Campbell or all Summer sessions. Students placed on academic probation may be required to participate in an academic-strengthening program(s). Conditionally admitted students enter on probation and will be suspended after the first semester if the GPA is less than 1.50.

### Academic Suspension

Full-time students on academic probation who, at the end of the semester or term of enrollment, fail to earn the grade-point average required for that semester (Column A below) or to raise their cumulative GPA to the required minimum (Column B below) will be suspended for the next semester as well as for any term that might be in session before the next semester begins (e.g., summer term). Part-time students on probation will be subject to the same criteria regardless of the number of attempted hours.

Quality Hours Attempted	Semester GPA (Column A)	Cumulative GPA (Column B)
11 or less	no minimum	no minimum
12 - 29	2.00	1.40
30 - 45	2.00	1.70
46 - 59	2.00	1.80
60 and above	2.00	2.00

Quality hours attempted includes all courses and hours except for grades of "AU," "I," "IP," "W," and "NR."

The student who is academically suspended for the second time (Second Suspension) including suspensions from all colleges and universities attended, will be suspended for one calendar year. The student suspended for the third time or more (Indefinite Suspension) may be readmitted only by a petition for reinstatement approved by the Academic Suspension Appeals Committee.

Suspended students may file a written appeal of their suspension period with the Office of the Registrar no later than the

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deadline date indicated in the student's suspension letter. Only one appeal per suspension period may be made, with Indefinite Suspension limited to one appeal per calendar year.

The University reserves the right to cancel a student's registration with full fee adjustment should the student enroll prior to being officially notified of an academic suspension.

A student on academic suspension may not be admitted to, or continue in, any program at APSU for credit or for grade-point purposes. Credit earned at other institutions while a student is on academic suspension from Austin Peay or any other institution may not be applied toward a degree from APSU or used for improving the grade-point average.

### CARE Policy

Enrolled students who have been out of college a minimum of two years may apply, through their academic dean, for consideration of the CARE (Credentials Analysis and Re-Evaluation) Policy. A maximum of 18 semester credits or equivalent of "D" or "F," along with the grades and credits of all other courses taken in no more than two consecutive terms at APSU or another institution prior to the separation, may be removed from the GPA calculation. If the number of "D" and "F" credits exceeds 18 over the two consecutive terms, the policy will then be limited to all coursework in a single term. The course and grades will remain on the transcript, noted appropriately, and be removed from the GPA calculation. Students who earned an associate or baccalaureate degree cannot apply for consideration of the CARE Policy regarding credits earned prior to earning the degree.

### Fresh Start

Beginning with fall 1992, students who have been out of higher education a minimum of four years and return completing 15 semester hours credit with a GPA of at least 2.00 at APSU may renew their academic records without penalty of prior failure. Fresh Start calculates the GPA and credit hours

toward graduation on coursework commencing with the credits taken following the absence. Students granted Fresh Start will forfeit all college credits and grades earned before the separation period. The courses and grades will remain on the transcript, noted appropriately, and be removed from the GPA calculation. Permission for Fresh Start will be granted only once. Eligible students are to complete the Fresh Start Form with the Office of the Registrar during the first term of admission or readmission. A student may utilize the CARE Policy and Fresh Start, provided the separation from higher education is not the same time period.

### Course Repeats

Students who are repeating courses with grades other than "A" or "B" must complete a Course Repeat form located on the Office of the Registrar website at [www.apsu.edu/records](http://www.apsu.edu/records). This form must be returned to the Office of the Registrar by the 14th day of classes.

Approval to repeat a course with a "B" or better must complete a Request to Repeat Course(s) with Previous Grade(s) of "B" or Better form located on the Office of the Registrar website under [Online Forms](#) at [www.apsu.edu/records](http://www.apsu.edu/records), and may only be granted by the Provost and Vice President for Academic and Student Affairs.

If a course taken at another school is repeated at APSU, the course at the other institution will be marked as a repeat. If the course transferred to APSU as an elective, the student must petition the chair of the department in which the course is offered in order for the elective course to be marked as a repeat.

The last grade received in a repeated course will be used in the computation of the GPA. However, in cases where the course is attempted three times, including transfer work, the third and all future grades for the course will be included in the computation of the GPA. Repeating a course already passed will result in the last grade received and credits earned from the last grade. There are no exceptions to this policy.

# University-Wide Degree Requirements

## Candidates for the Baccalaureate Degree must...

1. Earn a minimum of 120 semester hours credit.
2. Earn 39 hours in courses numbered 3000-4999 or upper division elective (EU) transfer credits.
3. Earn at least 30 APSU semester hours credit and earn at least 24 hours credit during the junior or senior years.
4. Earn a cumulative GPA of 2.00 in all courses attempted at any regionally accredited college or university, for all courses completed at APSU, and for all courses used to satisfy the requirements of a major or concentration and a minor, if applicable.
5. Complete the TBR Common General Education Core courses. Any substitution of a core course is to be approved by the dean/director of the college/school in which the student's major is located. Courses in the general education core requirements should be completed by the end of the sophomore year.
6. Complete the First Year Experience Course (APSU 1000) during the first semester of enrollment if entering APSU with fewer than 12 credits earned in a regionally accredited college or university setting.
7. Complete the requirements of the major or concentration required by the school or department in which the major or concentration is located. Any substitution for a required course is to be approved by the chair of the department or director of the school and Dean of the College requiring the course in the major or minor.
8. Transfer no more than 24 semester hours credit earned at other institutions after the last term in residence. Exceptions: SOCAD-4; residency limit of 25 percent of total degree requirements that may be completed at any point in the baccalaureate degree (p. 232); Preprofessional programs (p. 224).
9. Complete the Departmental Exit Exam for the major the semester of graduation.
10. Complete Senior Exit Exam (ETS Academic Profile) the semester of graduation.
11. Apply no more than 60 hours of credit earned by testing and other non-traditional means toward a baccalaureate degree.

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### Academic Guidelines for the Baccalaureate Degree

1. University Bulletin. A student may graduate under the requirements of the current University Bulletin during the initial enrollment or any Bulletin thereafter. The Bulletin that is current for a TBR community college transfer student is the current Bulletin at the time the student entered the community college rather than admission to APSU. A Bulletin is valid for six years from the date published, and students may complete degree requirements within six years under the initial Bulletin they entered APSU under or any Bulletin thereafter.
2. Students who have satisfactorily completed at least 24 weeks of intensive linguistic instruction, as recommended by ACE, may apply these credits to satisfy the Humanities - Foreign Language (III. B. 3 - 6 hours) core general education core requirement for the BA degree.

### Candidates for the Associate Degree must:

1. Earn at least 15 APSU semester hours credit.
2. Earn at least 60 semester hours credit and follow the specific course requirements as given in the outlined Program

### Common Bulletin Statement Regarding General Education

Effective Fall Semester 2004, each institution in the State University and Community College System of Tennessee (The Tennessee Board of Regents System) share a common lower division general education core curriculum of forty-one (41) semester hours for baccalaureate degrees and the Associate of Science degrees. Lower division means freshman and sophomore courses. The courses comprising the general education curriculum are contained within the following subject categories.

### APSU Recommended Courses for the TBR General Education Core

- |    |   |         |
|----|---|---------|
| I  | Communications                                      | 9 hours |
|    | A. *ENGL 1010 - English Composition I (3)           |         |
|    | B. *ENGL 1020 - English Composition II (3)          |         |
|    | C. *COMM 1010 - Fundamentals of Public Speaking (3) |         |
| II | History   | 6 hours |
|    | <i>Select any two courses listed below:</i>         |         |
|    | A. HIST 2010 - American History I (3)               |         |
|    | B. HIST 2020 - American History II (3)              |         |

of Study.

3. Fulfill degree requirement with no more than one-half non-traditional credits.
4. Transfer no more than 15 semester hours of credit earned at other institutions after the last semester of residence. Exception: SOCAD-2. (See page 232.)
5. Be admitted to APSU if transferring from other associate degree programs.
6. Maintain an overall minimum grade-point average of at least a "C" (2.00) average in all courses. For the Associate of Applied Sciences degree, the candidate must have at least a "C" (2.00) average in the required specialization.
7. Submit an application online for the associate degree through AP Self Service at <https://webss.apsu.edu> by the published deadline.

### Testing as a Degree Requirement

Unless otherwise provided for any individual program, no minimum score or level of achievement on senior assessments listed in the baccalaureate degree requirements is required for graduation. Participation in testing is a graduation requirement for all students, and a commitment to performing well is expected.

- C. HIST 2030 - History of Tennessee (3)
- III Humanities and/or Fine Arts .....15 hours
  - A. \*ENGL 2030 - Traditions in World Literature (3)
  - B. \*\*Foreign Language (6)
  - Select one course from two disciplines below:*
  - C. ART 1030 - Art Appreciation (3)
  - D. MUS 1030 - Music Appreciation (3)
  - E. MUS 2030 - World Music (3)
  - F. PHIL 1030 - Introduction to Philosophy (3)
  - G. PHIL 2200 - Religion and the World (3)
  - H. THEA 1030 - Introduction to Theatre (3)
- IV Mathematics .....3 hours
  - Select one course listed below:*
  - A. MATH 1010 - Mathematical Thought and Practice (3)
  - B. MATH 1420 - Structure of Mathematical Systems (3)
  - C. MATH 1530 - Elements of Statistics (3)
  - D. MATH 1710 - College Algebra (3)
  - E. MATH 1730 - Pre-Calculus (4)
  - F. MATH 1810 - Elements of Calculus (3)
  - G. MATH 1910 - Calculus and Analytic Geometry (5)
- VI Natural Sciences .....8 hours
  - Select any two courses listed below:*
  - A. ASTR 1010 - Planetary Astronomy (4)
  - B. ASTR 1020 - Stellar Astronomy (4)
  - C. BIOL 1010 - Principles of Life (4)
  - D. BIOL 1020 - Diversity of Life (4)
  - E. BIOL 1040 - Human Biology (4)
  - F. BIOL 1110 - Principles of Biology (4)
  - G. BIOL 2010 - Human Anatomy and Physiology I (4)
  - H. BIOL 2020 - Human Anatomy and Physiology II (4)
  - I. CHEM 1010 - Chemistry, Society, and the Environment I (4)
  - J. CHEM 1020 - Chemistry, Society, and the Environment II (4)
  - K. CHEM 1110 - General Chemistry I (5)
  - L. CHEM 1120 - General Chemistry II (5)
  - M. CHEM/PHYS 1710 - Introduction to Chemistry & Physics (4)
  - N. GEOL 1040 - Physical Geology (4)
  - O. GEOL 1050 - Historical Geology (4)
  - P. PHYS 1010 - Conceptual Physics I (4)
  - Q. PHYS 1020 - Conceptual Physics II (4)
  - R. PHYS 2010 - College Physics, Algebra and Trigonometry (5)
  - S. PHYS 2020 - College Physics (5)
  - T. PHYS 2110 - University Physics I (Calculus-based) (5)
  - U. PHYS 2120 - University Physics II (Calculus-based) (5)
- V Social & Behavioral Sciences .....6 hours
  - Select one course from any of two disciplines below:*
  - A. AAST 2200 - Introduction to African-American Studies (3)
  - B. COMM 2020 - Media, Society, and the Individual (3)
  - C. ECON 2010 - Principles of Macroeconomics (3)
  - D. GEOG 1010 - Physical Geography (3)

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- E. GEOG 1020 - Geography of the Developed World (3)
- F. GEOG 1030 - Geography of the Developing World (3)
- G. HHP 1250 - Wellness Concepts & Practices (3)
- H. HIST 1210 - World History I (3)
- I. HIST 1220 - World History II (3)
- J. POLS 2010 - American National Government (3)
- K. POLS 2040 - Introduction to Public Policy (3)
- L. POLS 2070 - International Politics (3)
- M. PSY 1010 - General Psychology (3)
- N. SOC 2010 - Introduction to Sociology (3)
- O. SOC 2050 - Social Problems (3)
- P. SOC 2500 - Cultural Anthropology (3)
- Q. WS 2050 - Introduction to Women's Studies (3)

\* These courses are required of all students.

\*\* Six hours of foreign language at the intermediate level are required for B.A. degree. Students who are not prepared to begin with the intermediate course should begin with the elementary level courses.

### Academic Regulations for Degree Completion

1. Application for Degree and Commencement: Formal online application for the degree must be filed with the Office of the Registrar no later than the date published in the University Calendar. Applications for the degree will be accepted only from students who have earned a minimum cumulative 2.00 GPA. Candidates may participate in the commencement held at the end of the semester that the requirements for the degree are completed. The applicant's intent to participate in commencement must be submitted in writing to the Office of the Registrar when applying for the degree by the published deadline.
2. Degree Evaluation: A preliminary review of coursework at APSU and any evaluated transfer work in preparation for graduation is available to all students via AP Self Service at <https://webss.apsu.edu>.
3. Records Complete: All grades of "Incomplete" must be removed, all evaluation of transfer of credits made, and all correspondence and extension courses finished by the end of the semester/term in which the candidate expects to receive the degree.
4. Earning a Second Major/Concentration Under Same Degree Earned at Austin Peay: A second undergraduate major to be received under the degree already awarded may be earned by meeting all of the requirements for that major/concentration as shown in the current edition of the Bulletin at the time of admission to the program. A memorandum from the appropriate department chair must be sent to the Office of the Registrar stating that all requirements for that major have been met. The second major will be added to the transcript; a second diploma will not be issued.
5. Earning Two Majors Under Different Degrees Simultaneously: Students who pursue double majors under different degree programs must comply with one of the following:
  - a. Before graduation, the student must complete a minimum of 150 hours of which 60 must be earned in courses numbered 3000 - 4999. Two degrees will be awarded.
  - b. The student may elect to change one major to a minor. One degree will be awarded.

### Academic Regulations for Completing a Second Degree

Students who hold a bachelors degree from APSU or any other regionally accredited college or university may subsequently earn a second bachelors degree from APSU if the following requirements are met:

1. Hold an earned baccalaureate degree from a regionally accredited institution or the equivalent of a baccalaureate degree from a foreign university as certified by an educational credential agency, including the American History requirement as specified in the TBR General Education core;
2. Indicate second degree on the Application for *Admission Form* submitted online to the Admissions Office or *Change of Major/Minor Form* submitted online to the Office of the Registrar;
3. Submit all transcripts from previously attended regionally accredited institutions; coursework that applies to the second degree must be reviewed; majors with additional admission requirements may require a review of the entire transcript;
4. Academic Advising. After reviewing the Degree Evaluation online at <http://webss.apsu.edu>, the student will arrange an appointment with an academic advisor in the department of the major;
5. Complete an additional 30 hours APSU credit; 24 of these hours must be earned in courses numbered 3000-4999;
6. Complete, without exception, the requirements for the major and minor appropriate to the new degree (this requirement may be met by the major and minor of the curriculum for the first degree if appropriate to the second degree);
7. Earn at least a 2.00 GPA on all coursework attempted in meeting the requirements for the second degree; and
8. Submit to the Office of the Registrar a *Major/Minor Substitution Form* for particular courses that have been approved by the

academic department and contain appropriate signatures showing approval.

### Requirements for Degrees in Absentia

A student may plan to complete three years of college coursework before transferring to a professional school, and be a candidate for the bachelor's degree after the successful completion of the first year's coursework in the professional school, provided:

1. The candidate completes the last two semesters as a full-time student in residence at APSU;
2. The candidate earns before transfer to the professional school sufficient credit to total 120 semester hours when combined with the credit earned during the first school year at the professional school;
3. Students needing clinical internship credit register on campus for a minimum of 15 hours of internship for those hospital programs generating 36 hours or less of credit applicable toward the degree in absentia (enrollment for these units shall be approved by the APSU clinical education coordinator);
4. The candidate achieves an overall GPA of "C" (2.00) on all courses attempted before transfer to the professional school;
5. The candidate's completed program of study at APSU includes (a) the General Education core requirements for a degree, in addition to (b) an approved major of not less than 18 semester hours and an approved minor, if required by the major, of not less than 12 semester hours, (c) not less than 24 semester hours earned in courses numbered 3000 or above, and (d) not less than 30 APSU semester hours credit;
6. The candidate has an overall GPA of "C" (2.00) on all courses attempted and submitted for meeting the requirements of 120 hours credit for the degree;
7. The professional school holds accreditation acceptable to APSU;

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8. The student files an application for degree by the deadline as published in the University Calendar; and
9. Should the professional school award a B.S. degree upon successful completion of the program, a student will not be eligible for a B.S. degree in absentia from APSU.

# Programs of Study

The Tennessee Board of Regents has authorized the university to offer the following degrees, majors and professional programs:

<b>Bachelor of Arts (B.A.)</b>	Page	Computer Science and Information Science (CSCI) . . . . .	212
Art (ART) . . . . .	78	Education Interdisciplinary Studies (EDUC) . . . . .	143
Communication Arts (COMM) . . . . .	86	English (ENGL) . . . . .	105
English (ENGL) . . . . .	105	Geosciences . . . . .	184
Foreign Language . . . . .	107	Health . . . . .	152
History (HIST) . . . . .	97	Health and Human Performance (HHP) . . . . .	152
Music (MUS) . . . . .	118	History (HIST) . . . . .	97
Philosophy (PHIL) . . . . .	100	Mathematics (MATH) . . . . .	216
Political Science (POLS) . . . . .	163	Medical Technology (MTEC) . . . . .	190
Psychology (PSY) . . . . .	165	Music (MUS) . . . . .	118
Spanish (SPAN) . . . . .	114	Philosophy (PHIL) . . . . .	100
<b>Bachelor of Business Administration (B.B.A.)</b>		Physics (PHYS) . . . . .	220
General Business (GB) . . . . .	136	Political Science (POLS) . . . . .	163
<b>Bachelor of Fine Arts (B.F.A.)</b>		Psychology (PSY) . . . . .	165
Art (ART) . . . . .	78	Radiologic Technology (RLTN) . . . . .	192
<b>Bachelor of Science (B.S.)</b>		Social Work (SW) . . . . .	168
Agriculture (AGRI) . . . . .	175	Sociology (SOC) . . . . .	169
Biology (BIOL) . . . . .	194	Special Education (SPED) . . . . .	145
Chemistry (CHEM) . . . . .	199	<b>Bachelor of Science in Nursing (B.S.N.)</b>	
Communication Arts (COMM) . . . . .	86	Nursing (NURS) . . . . .	148

## 76 Programs of Study

### **Bachelor of Science Professional Studies (B.S.P.S.)**

Professional Studies (B.S.P.S.) ..... 414

### **Undergraduate Degrees Austin Peay Center @ Fort Campbell (B.S. and B.S.P.S.)**

Criminal Justice (CRJ) ..... 417

Engineering Technology (ENGT) ..... 406

Professional Studies (PTMA) ..... 414

Public Management (PM) ..... 416

### **Undergraduate Online Degrees at APSU**

Computer Science and Information  
Systems, Concentration: Information  
Systems ..... 212

Criminal Justice, Concentration:

Homeland Security ..... 417

Liberal Arts ..... 404

Management Technology,  
Concentration: Police Science and  
Administration (LEN) ..... 423

Political Science with Legal Studies ..... 162

Professional Studies (PTMA) ..... 414

Registered Nurse to B.S.N. .... 150

### **Undergraduate Regents Online Degrees**

Information Technology ..... 229

Interdisciplinary Studies ..... 229

Organizational Leadership ..... 229

### **Accelerated Bachelor's Degree**

Professional Studies ..... 414

### **PreProfessional Programs**

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PreFood Technology ..... 180

PreForestry ..... 180

PreLaw ..... 166

PreMedicine ..... 208

PreOptometry ..... 223

PrePharmacy ..... 210

PrePhysical Therapy ..... 198

PreVeterinary Medicine ..... 181

PreWildlife ..... 183

# College of Arts and Letters

Location: Harned Hall, 127  
 Phone: 931-221-6445; Fax: (931) 221-1024  
 Email: diehrj@apsu.edu  
 Website: www.apsu.edu/coal/

The College of Arts and Letters includes the departments of Art, Communication and Theatre, History and Philosophy, Languages and Literature, and Music. The college also includes Programs in African American Studies, Honors, International Studies, Women's Studies, the African American Cultural Center, and the Center for the Creative Arts. The academic departments and programs in the college are central to the arts mission of the University. We strive to promote critical thinking, creativity, communication skills, scholarships, and lifelong learning, as well as other educational goals. The college seeks to provide a broad multicultural foundation for diverse educational experiences.

DEPARTMENT	MAJOR	CONCENTRATIONS	TEACHER CREDENTIAL PREPARATION	DEGREE OFFERED	
Art	Art	Visual Communications		B.F.A.	
		Studio Art		B.A., B.F.A.	
		Art Education	Licensure 7-12	B.A., B.S.	
Communication & Theatre	Communication Arts	Mass Communication		B.A., B.S.	
		Public Relations		B.A., B.S.	
		Theatre		B.A., B.S.	
		Speech & Theatre Education	Licensure 7-12	B.A., B.S.	
History & Philosophy	History		Licensure 7-12	B.A., B.S.	
		Philosophy		Licensure 7-12	B.A., B.S.
Languages & Literature	English		Licensure 7-12	B.A., B.S.	
		Foreign Languages		Licensure 7-12	B.A.
		Spanish		Licensure 7-12	B.A.
Music	Music	Liberal Studies		B.A., B.S.	
		Music Education	Licensure 7-12	B.A., B.S.	
		Music Performance		B.A., B.S.	

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### Department of Art (B.A., B.F.A.)

#### College of Arts and Letters

Location: Trahern, 208

Phone: 931-221-7333

Website: [www.apsu.edu/art/](http://www.apsu.edu/art/)

#### ART (B.A., B.F.A.)

Accreditations: All programs in the Department of Art are accredited by the National Association of Schools of Art and Design.

#### STUDIO ART CONCENTRATION, B.A. (45 HOURS)

The B.A. in Studio Art is the ideal degree for students interested in receiving a broad education in the Liberal Arts while gaining a training in the Fine Arts.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Foreign Language Requirement (see requirements for B.A. degree)</b>	<b>6</b>
<b>Lower Division Major Requirements</b>	<b>21</b>
ART 1010 Two Dimensional Design	3
ART 1020 Three Dimensional Design	3
ART 1040 Drawing I	3
ART 1050 Drawing II	3
ART 1070 Electronic Imaging	3
ART 2010 Art History Survey I	3
ART 2020 Art History Survey II	3
<b>Major Requirements</b>	<b>3</b>
ART 4150 Senior Seminar/Thesis I	3
<b>Major Electives</b>	<b>21</b>
<i>Select two courses in Art History:</i>	
ART 3200 Art History, United States	3
ART 3220 Modern Art, 19th and 20th Century	3
ART 3230 Contemporary Art	3
ART 3240 Art History, History of Photography	3
ART 324x Special Topics in Art History	3
ART 3270 History of Graphic Design	3
<i>Five courses in Studio Arts to be selected from the areas of Drawing, Painting, Photography, Printmaking, Pottery/Ceramics, or Sculpture (4090, 410x, or 4310 may each be used as one of these courses):</i>	
ART 2030 Printmaking I	3
ART 2040 Painting I	3
ART 2050 Pottery, Ceramics I	3
ART 2070 Sculpture I	3
ART 2090 Photography I	3
ART 3170 Advanced Digital Imaging	3

ART 3340	Drawing III	3
ART 3370	Web Design	3
ART 3430	Printmaking II	3
ART 3440	Painting II	3
ART 3450	Ceramic Sculpture	3
ART 3530	Printmaking III	3
ART 3540	Drawing IV, Thematic Development Drawing	3
ART 3550	Glazes and Surface Design	3
ART 3560	Painting, Watercolor I	3
ART 3570	Sculpture II	3
ART 3590	Photography II	3
ART 3650	Pottery, Ceramics II	3
ART 3690	Digital Photography	3
ART 4040	Painting III	3
ART 4060	Painting, Watercolor II	3
ART 4070	Sculpture III	3
ART 4150	Senior Seminar: Thesis I	3
ART 4190	Photography III	3

**MINOR**

**18-27**

A minor outside of art and art history is required.

**VISUAL COMMUNICATIONS CONCENTRATION, B.A. (42 HOURS)**

The B.A. in Visual Communications is geared toward students interested in training in Graphic Design while seeking a minor in communications, business, or other commercial communication fields.

	<b>Credit Hours</b>	
<b>General Education (see TBR Common Core)</b>		<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>		<b>1</b>
<b>Foreign Language Requirement (see requirements for B.A. degree)</b>		<b>6</b>
<b>Lower Division Major Requirements</b>		<b>27</b>
ART 1010	Two Dimensional Design	3
ART 1020	Three Dimensional Design	3
ART 1040	Drawing I	3
ART 1050	Drawing II	3
ART 1070	Electronic Imaging	3
ART 2010	Art History Survey I	3
ART 2020	Art History Survey II	3
ART 2090	Photography I	3
ART 2320	Graphic Design I	3
<b>Upper Division Major Requirements</b>		<b>3</b>
ART 3240 or 3270	History of Photography or History of Graphic Design	3
<b>Major Electives</b>		<b>12</b>
<i>Select one course in Art History:</i>		
ART 3200	Art History, United States	3

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ART 3220	Modern Art, 19th and 20th Century	3
ART 3230	Contemporary Art	3
ART 3240	Art History, History of Photography	3
ART 324x	Special Topics in Art History	3
<i>Three upper division courses to be selected from the areas of Graphic Design, Illustration, Photography, Printmaking, or Electronic Imaging (4090, 410x, or 4310 may each be used as one of these courses):</i>		
ART 2030	Printmaking I	3
ART 3080	Illustration I	3
ART 3110	Prepress	3
ART 3170	Advanced Digital Imaging	3
ART 3370	Web Design	3
ART 3430	Printmaking II	3
ART 3530	Printmaking III	3
ART 3590	Photography II	3
ART 3690	Digital Photography	3
ART 4080	Illustration II	3
ART 4085	Illustration III	3
ART 4120	Graphic Design II	3
ART 4125	Graphic Design III	3
ART 4150	Senior Thesis: Seminar I	3
ART 4190	Photography III	3

### MINOR

**18-27**

A minor outside of art and art history is required.

### STUDIO ART CONCENTRATION WITH TEACHER LICENSURE, B.A. (48 HOURS)

The B.A. in Studio Art with Teacher Licensure prepares students for a career teaching Art in elementary or secondary schools.

	Credit Hours	
<b>General Education (see TBR Common Core)</b>	<b>41</b>	
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>	
<b>Foreign Language Requirement (see requirements for B.A. degree)</b>	<b>6</b>	
<b>Lower Division Major Requirements</b>	<b>15</b>	
ART 1010	Two Dimensional Design	3
ART 1020	Three Dimensional Design	3
ART 1040	Drawing I	3
ART 2010	Art History Survey I	3
ART 2020	Art History Survey II	3
<b>Upper Division Major Requirements</b>	<b>9</b>	
ART 3140	Art Education I	3
ART 3150	Art Education II	3
ART 3160	Art Education III	3

**Major Electives****21***Select two courses in Art History:*

ART 3200	Art History, United States	3
ART 3220	Modern Art, 19th and 20th Century	3
ART 3230	Contemporary Art	3
ART 3240	Art History, History of Photography	3
ART 324x	Special Topics in Art History	3
ART 3270	History of Graphic Design	3

*Five courses in studio arts to be selected from the areas of Drawing, Painting, Photography, Printmaking, Pottery/Ceramics, or Sculpture (4090, 410x, or 4310 may each be used as one of these courses):*

ART 1050	Drawing II	3
ART 1070	Electronic Imaging	3
ART 2030	Printmaking I	3
ART 2040	Painting I	3
ART 2050	Pottery, Ceramics I	3
ART 2070	Sculpture I	3
ART 2090	Photography I	3
ART 2320	Graphic Design I	3
ART 3080	Illustration I	3
ART 3170	Advanced Digital Imaging	3
ART 3340	Drawing III	3
ART 3370	Web Design	3
ART 3430	Printmaking II	3
ART 3440	Painting II	3
ART 3450	Ceramic Sculpture	3
ART 3530	Printmaking III	3
ART 3540	Drawing IV, Thematic Development Drawing	3
ART 3550	Glazes and Surface Design	3
ART 3560	Painting, Watercolor I	3
ART 3570	Sculpture II	3
ART 3590	Photography II	3
ART 3650	Pottery, Ceramics II	3
ART 3690	Digital Photography	3
ART 4040	Painting III	3
ART4060	Painting, Watercolor II	3
ART 4070	Sculpture III	3
ART 4150	Senior Thesis: Seminar I	3
ART 4190	Photography III	3

**PROFESSIONAL EDUCATION MINOR****20**

**Required for licensure in all endorsement areas:  
K-6, 4-8, 7-12, and K-12**

Successful completion of this minor, successful completion of Clinical Practice (with seminar), and Tennessee-mandated licensure examinations leads to teaching licensure for grades K-6, 4-8, 5-8, 7-12, and K-12. Testing requirements, electronic portfolio development, and other prerequisites for provisional admission and full admission to Teacher Education will require consultation with an education advisor. For students not seeking licensure but a minor in Professional Education, contact the School of Education Director.

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		<b>Credit Hours</b>
EDUC 2100	Foundations of Education	2
EDUC 3040	Instructional Technology	3
EDUC 3070	Instructional Strategies	3
EDUC 4080	Classroom Management	3
EDUC 4160	Teaching Diverse Students	3
EDUC 4270	Evaluation and Assessment (ART 3140 and 3150 substitutes for ART 4270)	3
PSY 3130	Introduction to Educational Psychology	3
SPED 3000	Introduction to Special Education	3

### **STUDIO ART CONCENTRATION, B.F.A.**

The Art major concentrations for the Bachelor of Fine Arts are for students seeking to prepare for art as a profession. Students will demonstrate proficiency in at least one studio concentration (drawing, painting, photography, pottery/ceramics, printmaking, or sculpture) through completion of the degree. A mid-career portfolio review is required of B.F.A. candidates as a prerequisite to Art 4150 and 4160.

**Admission Requirements:** Admission to the B.F.A. program is by application (generally at the end of sophomore year), providing the student has met the following requirements: 1. Completion of: ART 1010, 1020, 1040, 1050; 2010 or 2020; and two introductory studio courses from different areas; and 2. A minimum 3.0 GPA in Art courses.

		<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>		<b>41</b>
<b>University-Wide Freshman Seminar requirement</b>		<b>1</b>
<b>Foreign Language Requirement (see requirements for B.A. degree)</b>		<b>6</b>
<b>Lower Division Major Requirements</b>		<b>33</b>
ART 1010	Two Dimensional Design	3
ART 1020	Three Dimensional Design	3
ART 1040	Drawing I	3
ART 1050	Drawing II	3
ART 1070	Electronic Imaging	3
ART 2010	Art History Survey I	3
ART 2020	Art History Survey II	3
<i>Four introductory studio courses to be selected from (each course must be selected from a different area):</i>		
ART 2030	Printmaking I	3
ART 2040	Painting I	3
ART 2050	Pottery, Ceramics I	3
ART 2070	Sculpture I	3
ART 2090	Photography I	3
ART 3430	Printmaking II	3
ART 3450	Ceramic Sculpture	3
ART 3530	Printmaking III	3
<b>Upper Division Major Requirements</b>		<b>6</b>
ART 4150	Senior Seminar/Thesis I	3
ART 4160	Senior Seminar/Thesis II	3

**Major Electives****39***Select two courses in Art History:*

ART 3200	Art History, United States	3
ART 3220	Modern Art, 19th and 20th Century	3
ART 3230	Contemporary Art	3
ART 3240	Art History, History of Photography	3
ART 324x	Special Topics in Art History	3
ART 3270	History of Graphic Design	3

*Eleven upper division studio courses to be selected from the areas of Drawing, Graphic Design, Painting, Photography, Printmaking, Pottery/Ceramics, or Sculpture to include a sequence of three courses in a given studio area (4090, 410x, or 4310 may each be used as one of these courses). Courses used for this section may not be used for the introductory studio course requirement above.*

ART 3170	Advanced Digital Imaging	3
ART 3340	Drawing III	3
ART 3370	Web Design	3
ART 3430	Printmaking II	3
ART 3440	Painting II	3
ART 3450	Ceramic Sculpture	3
ART 3530	Printmaking III	3
ART 3540	Drawing IV, Thematic Development Drawing	3
ART 3550	Glazes and Surface Design	3
ART 3560	Painting, Watercolor I	3
ART 3570	Sculpture II	3
ART 3590	Photography II	3
ART 3650	Pottery, Ceramics II	3
ART 3690	Digital Photography	3
ART 4040	Painting III	3
ART 4060	Painting, Watercolor II	3
ART 4070	Sculpture III	3
ART 4090	Problems in Art (may be repeated for 6 hours total credit)	3
ART 410x	Special Topics in Studio Art	3
ART 4190	Photography III	3
ART 4310	Internship	3

**VISUAL COMMUNICATIONS CONCENTRATION, B.F.A.**

The Art major concentrations for the Bachelor of Fine Arts are for students seeking to prepare for a career in graphic design or illustration. Students will select a focus in either graphic design or illustration and complete the appropriate coursework as outlined below. A mid-career portfolio review is required of B.F.A. candidates as a prerequisite to Art 4150 and 4160.

Admission Requirements: Admission to the B.F.A. program is by application (generally at the end of sophomore year), providing the student has met the following requirements: (1) Completion of: ART 1010, 1020, 1040, 1050; 2010 or 2020; and two introductory studio courses from different areas; and (2) A minimum 3.0 GPA in Art courses.

**General Education (see TBR Common Core)****Credit Hours****41****University-Wide Freshman Seminar Requirement****1**

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Students choosing **GRAPHIC DESIGN** as a focus:

### **Lower Division Major Requirements** **36**

ART 1010	Two Dimensional Design	3
ART 1020	Three Dimensional Design	3
ART 1040	Drawing I	3
ART 1050	Drawing II	3
ART 1070	Electronic Imaging	3
ART 2010	Art History Survey I	3
ART 2020	Art History Survey II	3
ART 2090	Photography I	3
ART 2320	Graphic Design I	3
ART 2520	Typography	3

*Two introductory studio courses to be selected from (each course must be selected from a different area):*

ART 2030	Printmaking I	3
ART 2040	Painting I	3
ART 2050	Pottery, Ceramics I	3
ART 2070	Sculpture I	3
ART 3430	Printmaking II	3
ART 3450	Ceramic Sculpture	3
ART 3530	Printmaking III	3

### **Upper Division Major Requirements** **21**

ART 3080	Illustration I	3
ART 3110	Prepress	3
ART 3270	History of Graphic Design	3
ART 4120	Graphic Design II	3
ART 4125	Graphic Design III	3
ART 4150	Senior Seminar/Thesis I	3
ART 4160	Senior Seminar/Thesis II	3

### **Major Electives** **21**

*Select one course in Art History:*

ART 3200	Art History, United States	3
ART 3220	Modern Art, 19th and 20th Century	3
ART 3230	Contemporary Art	3
ART 3240	Art History, History of Photography	3
ART 324x	Special Topics in Art History	3

*Select one from:*

ART 3590	Photography II	3
ART 3690	Digital Photography	3

*Select five courses:*

ART 3170	Advanced Digital Imaging	3
ART 3340	Web Design	3
ART 3430	Printmaking II	3
ART 3560	Painting, Watercolor I	3
ART 4080	Illustration II	3
ART 4090	Problems in Art (may be repeated for 6 hours total credit)	3
ART 410x	Special Topics in Studio Art	3

ART 4190	Photography III	3
ART 4310	Internship	3

*Students choosing ILLUSTRATION as a focus:*

**Lower Division Major Requirements 33**

ART 1010	Two Dimensional Design	3
ART 1020	Three Dimensional Design	3
ART 1040	Drawing I	3
ART 1050	Drawing II	3
ART 1070	Electronic Imaging	3
ART 2010	Art History Survey I	3
ART 2020	Art History Survey II	3
ART 2090	Photography I	3
ART 2320	Graphic Design I	3

*Two introductory studio courses to be selected from (each course must be selected from a different area):*

ART 2030	Printmaking I	3
ART 2040	Painting I	3
ART 2050	Pottery, Ceramics I	3
ART 2070	Sculpture I	3
ART 3430	Printmaking II	3
ART 3450	Ceramic Sculpture	3
ART 3530	Printmaking III	3

**Upper Division Major Requirements 18**

ART 3080	Illustration I	3
ART 3270	History of Graphic Design	3
ART 4080	Illustration II	3
ART 4085	Illustration III	3
ART 4150	Senior Seminar/Thesis I	3
ART4160	Senior Seminar/Thesis II	3

**Major Electives 27**

*Select one course in Art History:*

ART 3200	Art History, United States	3
ART 3220	Modern Art, 19th and 20th Century	3
ART 3230	Contemporary Art	3
ART 3240	Art History, History of Photography	3
ART 324x	Special Topics in Art History	3

*Eight courses to be selected from Drawing, Graphic Design, Painting, Photography, Pottery/Ceramics, Printmaking, and/or Sculpture:*

ART 3110	Prepress	3
ART 3170	Advanced Digital Imaging	3
ART 3340	Drawing III	3
ART 3370	Web Design	3
ART 3430	Printmaking II	3
ART 3440	Painting II	3
ART 3450	Ceramic Sculpture	3
ART 3530	Printmaking III	3
ART 3540	Drawing IV	3

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ART 3550	Glazes and Surfaces	3
ART 3560	Painting, Watercolor I	3
ART 3570	Sculpture II	3
ART 3590	Photography II	3
ART 3650	Pottery, Ceramics II	3
ART 3690	Digital Photography	3
ART 4040	Painting III	3
ART 4060	Painting, Watercolor II	3
ART 4070	Sculpture III	3
ART 4090	Problems in Art (may be repeated for 6 hours total credit)	3
ART 4120	Graphic Design II	3
ART 4125	Graphic Design III	3
ART 410x	Special Topics in Studio Art	3
ART 4190	Photography III	3
ART 4310	Internship	3

### **STUDIO ART MINOR (18 HOURS)**

1010, 1020, and 12 hours of approved ART electives.

### **ART HISTORY MINOR (18 HOURS)**

1030, 2010, 2020, 3200, 3220, and select one from 3230, 3240, 324x, 3270.

### **PHOTOGRAPHY MINOR (18 HOURS)**

2090, 3240, 3590, 4190, and six hours approved ART electives.

### **GRAPHIC DESIGN MINOR (18 HOURS)**

1010, 1070, 2320, 3270, and six hours approved ART electives.

## Department of Communication and Theatre (B.A., B.S.)

### **College of Arts and Letters**

Location: Music and Mass Communication, 173

Phone: 931-221-7378

Website: <http://comm.apsu.edu/>

### **COMMUNICATION ARTS (B.A., B.S.)**

**Accreditations:** The Public Relations Major is accredited by the Public Relations Society of America.

### **COMMUNICATION ARTS MAJOR**

Four concentrations are available to students under the Communication Arts major. Students are offered a wide array of courses leading to successful careers in Broadcast Media, Corporate Communication, Information Specialist, Internet Technologies Specialist, Media Technologies, Print and Web Journalism, and Public Relations. All students majoring in the department must complete the following courses in the general education core: COMM 1010 and THEA 1030. A departmental capstone course, COMM 4010,

Communication Theory, is required of all majors and minors. A minor is required for all majors in the department. The minor can be in the department or a minor from a department outside of the department. A student cannot minor in Public Relations due to PRSA requirements.

**MASS COMMUNICATION CONCENTRATION**

*Select a specialization from:*

**BROADCAST MEDIA SPECIALIZATION, B.A., B.S. (37 HOURS)**

Graduates in broadcast media are prepared for careers in a variety of broadcast and related areas, including on-air performance, behind the scenes operations and directing, audio and video production, promotion and management.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Foreign Language Requirement (see requirements for B.A. degree)</b>	<b>6</b>
<b>Lower Division Major Requirements</b>	<b>10</b>
COMM 1200 Introduction to Mass Communications	3
COMM 2000 News Reporting	3
COMM 2100 Broadcast Equipment Operation and Technology	3
COMM 215 Broadcast Regulation and Practice	1
<b>Upper Division Major Requirements</b>	<b>21</b>
COMM 3350 Broadcast Announcing	3
COMM 3450 Broadcast News Writing	3
COMM 3550 Audio Production I	3
COMM 3760 Video Production I	3
COMM 4010 Communication Theory	3
COMM 4600 Media Ethics	3
COMM 4650 Mass Media Law	3
<b>Major Electives</b>	<b>6</b>
<i>Select six hours from:</i>	
COMM 309A International Communication: Broadcast Media	3
COMM 4310 Documentary Production	4
COMM 4350 Broadcast Management	3
COMM 4550 Audio Production II	3
COMM 4760 Video Production II	3

**MINOR**

**18-27**

The minor can be in the department or a minor from a department outside of the department. A student cannot minor in Public Relations due to PRSA requirements.

**CORPORATE COMMUNICATION SPECIALIZATION, B.A., B.S. (36 HOURS)**

Graduates in corporate communication are prepared for careers in advertising, marketing communications, public relations, media, and management.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Foreign Language Requirement (see requirements for B.A. degree)</b>	<b>6</b>

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### Lower Division Major Requirements **6**

COMM 1200	Introduction to Mass Communications	3
COMM 2400	Writing for the Electronic Media	3

### Upper Division Major Requirements **30**

COMM 3010	Integrated Corporate Communication	3
COMM 3100	Desktop Publishing	3
COMM 3320	Business and Professional Communication	3
COMM 3400	Mass Communication Research Methods	3
COMM 3800	Principles of Media Advertising	3
COMM 3910	Media Relations	3
COMM 4010	Communication Theory	3
COMM 4020	Communication in Organizations	3
COMM 4650	Mass Media Law	3
COMM 490ABC	Communication Internship	3

### MINOR **18-27**

The minor can be in the department or a minor from a department outside of the department. A student cannot minor in Public Relations due to PRSA requirements.

### INTERNET TECHNOLOGY SPECIALIZATION, B.A., B.S. (36 HOURS)

Graduates in Internet Technology are prepared for careers in a variety of Internet related areas, including Web Promotions Specialist, E-Commerce Specialist, Multi-Media Producer, and Web Designer.

	Credit Hours
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Foreign Language Requirement (see requirements for B.A. degree)</b>	<b>6</b>
<b>Lower Division Major Requirements</b>	<b>6</b>
COMM 1200	3
COMM 2720	3
<b>Upper Division Major Requirements</b>	<b>15</b>
COMM 3720	3
COMM 3730	3
COMM 4010	3
COMM 4650	3
COMM 4730	3
<b>Plus One of the Following Sequences</b>	<b>15</b>
<b>I. Information Design</b>	
ART 1010	3
ART 1070	3
ART 2090	3
COMM 4720	3
<i>Choose One:</i>	
ART 2520	3
ART 3080	3

**2. Electronic Commerce**

COMM 2400	Writing for the Electronic Media	3
COMM 3010	Integrated Corporate Communications	3
COMM 3800	Principles of Media Advertising	3
GB 3010	e-Commerce Basics I	3
GB 3700	e-Commerce Shipping Cycles	3

**3. Web Promotion and Publicity**

COMM 2400	Writing for the Electronic Media	3
COMM 3010	Integrated Corporate Communications	3
COMM 3100	Desktop Publishing	3
COMM 3910	Media Relation	3
COMM 4720	Multimedia Design	3

**4. Web Design Programming**

CSCI 1005	Computer Hardware, Software and Programming Concepts	3
CSCI 1015	Introduction to Computer Programming	3
CSCI 3300	Introduction to Web Development	3
CSCI 4000	Advanced Web Development	3
COMM 4720	Multimedia Design	3

**5. Web Network Administration**

CSCI 1005	Computer Hardware, Software and Programming Concepts	3
CSCI 1015	Introduction to Computer Programming	3
CSCI 3700	Data Communication and Networking	3
CSCI 4400	Principles of Database Management	3
CSCI 4630	Web Server Administration	3

**MINOR**

**18-27**

The minor can be in the department or a minor from a department outside of the department. A student cannot minor in Public Relations due to PRSA requirements.

**PRINT AND WEB JOURNALISM, B.A., B.S. (36 HOURS)**

Print and Web Journalism majors develop skills for careers at newspapers, book and magazine publications, as well as a variety of web-related careers. NOTE: Students choosing this sequence must also take three hours from POLS 2010, 2040, or 2070 as part of their General Education Core.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Foreign Language Requirement (see requirements for B.A. degree)</b>	<b>6</b>
<b>Lower Division Major Requirements</b>	<b>6</b>
COMM 1200 Introduction to Mass Communication	3
COMM 2000 News Reporting	3
<b>Upper Division Major Requirements</b>	<b>27</b>
COMM 300ABC Laboratory	3
COMM 3100 Desktop Publishing	3
COMM 3200 Copyediting	3
COMM 3400 Mass Communication Research Methods	3

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COMM 3720	Authoring Web Pages	3
COMM 4010	Communication Theory	3
COMM 4150	Feature Writing	3
COMM 4650	Mass Media Law	3
COMM 4720	Multimedia Design	3

### Major Electives 3

Select 3 hours from:

COMM 2920	Digital Photojournalism	3
COMM 309C	International Communication: Print and Web	3
COMM 4400	Politics and the Mass Media	3
COMM 4600	Media Ethics	3
COMM 470ABC	Magazine Production	3
COMM 480ABC	Independent Study in Mass Communication	3
COMM 490ABC	Communication Internship	3

### MINOR 18-27

The minor can be in the department or a minor from a department outside of the department. A student cannot minor in Public Relations due to PRSA requirements.

### MEDIA TECHNOLOGIES, B.A., B.S. (37 HOURS)

Graduates in Media Technologies are prepared for careers in digital media, including new technologies such as digital cinema, Internet design and content, and acting/production utilizing these technologies.

	Credit Hours
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Foreign Language Requirement (see requirements for B.A. degree)</b>	<b>6</b>
<b>Lower Division Major Requirements</b>	<b>7</b>
COMM 1200	Introduction to Mass Communication 3
COMM 2100	Broadcast Equipment Operation and Technology 3
COMM 2150	Broadcast Regulation and Practice 1
<b>Upper Division Major Requirements</b>	<b>15</b>
COMM 3720	Authoring Web Pages 3
COMM 3760	Video Production I 3
COMM 3950	Methods of Film Analysis 3
COMM 4010	Communication Theory 3
COMM 4650	Mass Media Law 3
<b>Major Electives</b>	<b>15</b>
<i>Select 15 hours:</i>	
COMM 2400	Writing for the Electronic Media 3
COMM 309D	International Communication: Media Tech 3
COMM 3450	Broadcast News Writing 3
COMM 3600	Radio Theatre Workshop 3
COMM 3800	Principles of Media Advertising 3
COMM 3900	Motion Picture Production Workshop 4

COMM 4150	Feature Writing	3
COMM 4310	Documentary Production	4
COMM 4600	Media Ethics	3
COMM 4720	Multimedia Design	3
COMM 4960	Film Scriptwriting	3
COMM 4970	Television Scriptwriting	3
THEA 1300	Acting I	3
THEA 2300	Acting II	3
THEA 3350	Musical Theatre Workshop	3
THEA 335L	Musical Theatre Workshop Lab	1
THEA 3700	Scenic Design	3
THEA 4300	Lighting Design	3
THEA 4650	Direction and Performance for the Camera	3

**MINOR**

**18-27**

The minor can be in the department or a minor from a department outside of the department. A student cannot minor in Public Relations due to PRSA requirements.

**INFORMATION SPECIALIST, B.A., B.S. (30 HOURS)**

The Information Specialist specialization in Mass Communication is offered completely online, and is intended for students seeking information careers in the public or private sectors. Information careers include work for the U.S. Information Agency as information specialists and in the U.S. Military services as public affairs' officers. Tennessee and other state and municipal government information-based services such as tourism and economic development; and the promotion and publicity functions within nonprofit agencies, chambers of commerce, and general organizations are interested in the training provided by this specialization.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Foreign Language Requirement (see requirements for B.A. degree)</b>	<b>6</b>
<b>Lower Division Major Requirements</b>	<b>9</b>
COMM 1200 Introduction to Mass Communication	3
COMM 1400 Introduction to Public Relations	3
COMM 2000 News Reporting	3
<b>Upper Division Major Requirements</b>	<b>21</b>
COMM 3010 Integrated Corporate Communication	3
COMM 4010 Communication Theory	3
COMM 4150 Feature Writing	3
COMM 4410 Conflict Resolution and Negotiation	3
COMM 4650 Mass Media Law	3
COMM 4910 Public Relations Campaigns	3
JOUR 3410 Research Methods	3

**MINOR**

**18-27**

The minor can be in the department or a minor from a department outside of the department. A student cannot minor in Public Relations due to PRSA requirements.

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### **PUBLIC RELATIONS CONCENTRATION, B.A., B.S. (37 HOURS)**

Public Relations majors prepare for careers in agencies, corporations, political campaigns, and in a variety of organizational communication settings. Proposed program of study identifies an English writing minor.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Foreign Language Requirement (see requirements for B.A. degree)</b>	<b>6</b>
<b>Lower Division Major Requirements</b>	<b>9</b>
COMM 1200 Introduction to Mass Communication	3
COMM 1400 Introduction to Public Relations	3
COMM 2000 News Reporting	3
<b>Upper Division Major Requirements</b>	<b>28</b>
COMM 3100 Desktop Publishing	3
COMM 3400 Mass Communication Research Methods	3
COMM 3450 Broadcast News Writing	3
COMM 3910 Media Relations	3
COMM 4010 Communication Theory	3
COMM 426ABC Communication Practicum	1
COMM 4650 Mass Media Law	3
COMM 4810 Public Relations Strategies	3
COMM 4910 Public Relations Campaign	3
COMM 490A Communication Internship	3
<b>MINOR</b>	<b>18-27</b>
The minor can be in the department or a minor from a department outside of the department. A student cannot minor in Public Relations due to PRSA requirements.	
<b>COMMUNICATION ARTS MINOR</b>	<b>21</b>
<b>Requirements:</b> Advisor approved courses of study with a minimum of 12 upper division hours in a single concentration.	
<b>JOURNALISM MINOR</b>	<b>24</b>
<b>Lower Division Requirements</b>	<b>6</b>
COMM 1200 Introduction to Mass Communication	3
COMM 2000 News Reporting	3
<b>Upper Division Requirements</b>	<b>9</b>
COMM 3200 Copyediting	3
COMM 4150 Feature Writing	3
COMM4650 Media Law	3
<b>Upper Division Electives</b>	<b>9</b>
Any upper division hours in the Department of Communication and Theatre	
ART 3140 Art Education I	3
LING 4040 Structure and Dialect of American English	3

**POPULAR CULTURE MINOR (this minor has been updated since publication) 18**

**Required Courses**

COMM 1600	Introduction to Popular Culture	3
OMM 2020; 4980	Media, Society and the Individual; Television Criticism	3 ea
<i>Select three (3) from</i>		
ART 3240 or WS 3070	History of Photography or Women and Film or	3 ea
COMM 4300 or WS 3060	Topics in Popular Culture or Vagina Monologues or	3 ea
COMM 4470	Race, Gender and the Mass Media or	3
ENGL 340J	Shakespeare on Film or	3
ENGL 340R	Century's End: Race and Gender at the Turn of 20th Century	3

**WEATHER BROADCASTING MINOR 27**

**Required Courses**

COMM 2100	Broadcasting Equipment Operation and Technology	3
COMM 2150	Broadcasting Regulation and Practice - Online	1
COMM 3350	Broadcast Announcing	3
COMM 3620	Weather Broadcasting	3
COMM 3810	Live Studio Production	3
GEOG 1010	Physical Geography	3
GEOG 3939	Natural Hazards in the Environment	3
GEOG 4170	Meteorology	3
GEOG 4180	Climatology	3

**Theatre and Dance (B.A., B.S.)**

**College of Arts and Letters  
(within the Department of Communication and Theatre)**

Location: Trahern Building, 208  
 Phone: 931-221-6767  
 Website: [http://www.apsu.edu/theatre\\_dance/](http://www.apsu.edu/theatre_dance/)

**COMMUNICATION ARTS (B.A., B.S.)**

**THEATRE CONCENTRATION (33 HOURS)  
Communication Arts Major**

Three concentrations are available to students under the Communication Arts major for Theatre and Dance. Students are offered a wide array of courses leading to successful careers in Technical Theatre, Theatre Performance and Theatre Education. All students majoring in the department must complete the following courses in the general education core: COMM 1200 and THEA 1030. A departmental capstone course, COMM 4010, Communication Theory, is required of all majors. A minor is required for all majors in the department. The minor can be in the department or a minor from a department outside of the department. We do offer a Minor in Dance. The requirements are listed below.

**THEATRE DESIGN CONCENTRATION, B.A., B.S. (33 HOURS)**

Graduates in Theatre Design are well prepared to continue on to Graduate School in Design or to enter the professional world of Technical Theatre. The area of Technical Theatre is hands-on, and there are plenty of opportunities to design for our main-stage season.

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	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Foreign Language Requirement (see requirements for B.A. degree)</b>	<b>6</b>
<b>Lower Division Major Requirements</b>	<b>12</b>
COMM 1200 Introduction to Mass Communications	3
THEA 1300 Acting I	3
THEA 1600 Stagecraft I	3
THEA 1610 Stagecraft II	3
<b>Upper Division Major Requirements</b>	<b>12</b>
THEA 3010 Chronicles and Concepts I	3
THEA 3020 Chronicles and Concepts II	3
THEA 3700 Scenic Design	3
COMM 4010 Communication Theory	3
<b>Major Electives</b>	<b>9</b>
<i>Select nine (9) hours from:</i>	
THEA 3080 International Studies in Theatre I	3
THEA 3090 International Studies in Theatre II	3
THEA 3400 Directing	3
THEA380 A-H Theatre Design Practicum	2 (each)
THEA 3890 Costume Design	3
THEA 4000 Makeup Design	3
THEA 4300 Lighting Design	3
THEA 4400 Advanced Scenography	3
THEA 4500 Business of Theatre	3
THEA 460A,B Special Topics in Technical Theatre	3
THEA 4950 Advanced Playwriting	3
COMM 4960 Film Scriptwriting	3

### **THEATRE PERFORMANCE MAJOR, B.A., B.S. (33 HOURS)**

Graduates in Theatre Performance are prepared for careers in Acting or Directing. Students are also prepared to either enter a graduate program in these areas or work professionally in these areas.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Foreign Language Requirement (see requirements for B.A. degree)</b>	<b>6</b>
<b>Lower Division Major Requirements</b>	<b>9</b>
COMM 1200 Introduction to Mass Communications	3
THEA 1300 Acting I	3
THEA 1600 Stagecraft I	3
<b>Upper Division Major Requirements</b>	<b>12</b>
THEA 3010 Chronicles and Concepts I	3
THEA 3020 Chronicles and Concepts II	3

THEA 3400	Directing	3
COMM 4010	Communication Theory	3

**Major Electives 12**

*Select twelve (12) hours from:*

THEA 2300	Acting II	3
THEA 3080	International Studies in Theatre	3
THEA 3090	International Studies in Theatre II	3
THEA 3250	Dance for Musical Theatre	3
THEA 3350	Musical Theatre Workshop	3
THEA 335L	Musical Theatre Workshop Lab	1
THEA 3300	Acting III	3
THEA 3450	Creative Drama for Children	3
THEA 388A-D	Performance Practicum	2 (each)
THEA 4500	The Business of Theatre	3
THEA 4900	Playwriting	3
THEA4950	Advanced Playwriting	3
COMM4960	Film Scriptwriting	3

**THEATRE EDUCATION, B.A., B.S. (36 HOURS)**

Students seeking licensure must complete the Professional Education minor. Student teaching is required.

	Credit Hours
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Foreign Language Requirement (see requirements for B.A. degree)</b>	<b>6</b>
<b>Lower Division Major Requirements</b>	<b>9</b>
COMM 1200      Introduction to Mass Communications	3
THEA 1300      Acting I	3
THEA 1600      Stagecraft I	3
<b>Upper Division Major Requirements</b>	<b>18</b>
THEA 3010      Chronicles and Concepts I	3
THEA 3020      Chronicles and Concepts II	3
THEA 3400      Directing	3
THEA 3450      Creative Drama for Children	3
THEA 3700      Scenic Design	3
COMM4010      Communication Theory	3
<b>Major Electives</b>	<b>9</b>
<i>Select nine (9) hours from:</i>	
COMM 3600      Radio Theatre Workshop	3
COMM 4960      Film Scriptwriting	3
THEA 1610      Stagecraft II	3
THEA 2300      Acting II	3
THEA 3080      International Studies in Theatre	3
THEA 3090      International Studies in Theatre II	3
THEA 3250      Dance for Musical Theatre	3

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THEA 3350	Musical Theatre Workshop	3
THEA 335L	Musical Theatre Workshop Lab	1
THEA 380A-H	Performance Practicum	2 (each)
THEA 388A-D	Theatre Design Practicum	2 (each)
THEA 3890	Costume Design	3
THEA 4000	Makeup Design	3
THEA 4300	Lighting Design	3
THEA 4650	Directing and Performance for the Camera	3
THEA 4900	Playwriting	3
THEA 4950	Advanced Playwriting	3

**Credit Hours**  
**21**

### THEATRE MINOR

**Requirements:** Advisor approved course of study with a Minimum of 12 upper division hours in a single concentration.

#### Required Courses for a Minor in Theatre

THEA 1030	Introduction to Theatre	3
THEA 4500	Business of Theatre	3

15 hours from the course offerings, 12 hours must be upper division. 15

**Credit Hours**  
**21**

### DANCE MINOR

**Requirements:** Advisor approved course of study.

#### Required Courses for a Minor in Dance

THEA 1030	Introduction to Theatre	3
THEA 4500	Business of Theatre	3

#### Minor Electives

Select fifteen (15) hours from:

DANC 1035	Introduction of Dance	3
DANC 1350	Ballet I	3
DANC 1450	Modern Dance I	3
DANC 1500	Jazz Dance	3
DANC 2350	Ballet II	3
DANC 2450	Modern II	3
DANC 3040	History and Philosophy of Dance	3
DANC 3400	Dance Composition	3
DANC 3450	Advance Dance Techniques	3
DANC 385A-H	Dance Practicum	2 (each)
DANC 3880	Costuming for Dance	3
DANC 460A-F	Special Topics in Dance	3 (each)
DANC 4700	Analysis and Criticism	3
THEA 3250	Dance for Musical Theatre	3

## Department of History and Philosophy

### College of Arts and Letters

Location: Harned Hall, 340

Phone: 931-221-7919

Website: [www.apsu.edu/history/](http://www.apsu.edu/history/)

### HISTORY (B.A., B.S.)

The program for history majors is designed to prepare students to think critically, communicate effectively, live responsibly, and prosper as citizens in a global society. Toward these goals, the department seeks to impart to all students an understanding of our nation's history in the context of world history.

	Credit Hours
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>6</b>
HIST 2010 American History I	3
HIST 2020 American History II	3
<b>Lower Division Major Requirements</b>	<b>6</b>
HIST 1210 World History I	3
HIST 1220 World History II	3
<b>Upper Division Major Requirements</b>	<b>21</b>
<i>Course choices listed below titled Upper Division Courses</i>	
U. S. History	6
Non-U.S. History	6
Upper Division Electives, excluding HIST 4400	6
<i>Select one of the following:</i>	
HIST 4900 Topics in History	3
HIST 4910 History Study Abroad	3-6
HIST 4920 Oral History	3-6
HIST 4930 Historiography Credit	3
HIST 4940 Public History	3-6

A minor is required with this major.

### HISTORY (B.A., B.S.) WITH LICENSURE

#### TEACHER LICENSURE (35 HOURS)

This major must be distributed over at least two fields with emphasis on history and one from political science, economics, or geography.

	Credit Hours
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>

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### Specific General Education Requirements **9**

HIST 2010	American History I	3
HIST 2020	American History II	3
POLS 2010	American National Government	3

### Lower Division Major Requirements **6**

HIST 1210	World History I	3
HIST 1220	World History II	3

### Social Studies Core **9**

ECON 2010	Principles of Macroeconomics	3
GEOG 1020	Geography of Europe, the Americas, and Australia	3
GEOG 1030	Geography of Africa, Asia, and Oceania	3

### Upper Division Major Requirements **21**

*Course choices listed below titled Upper Division Courses*

U. S. History	6
Non-U.S. History	6

Upper Division Electives, excluding HIST 4400 **6**

*Select one of the following:*

HIST 4900	Topics in History	3
HIST 4910	History Study Abroad	3-6
HIST 4920	Oral History	3-6
HIST 4930	Historiography Credit	3
HIST 4940	Public History	3-6
HIST 4400	Teaching Social Studies in the Secondary Schools (required for Grades 7-12 Licensure)	3

### PROFESSIONAL EDUCATION MINOR

**Credit Hours  
36**

EDUC 2100	Foundations of Education	2
EDUC 3040	Instructional Technology	3
EDUC 3070	Instructional Strategies	3
EDUC 4080	Classroom Organization and Management	3
EDUC 4160	Teaching Diverse Students	3
EDUC 4270	Classroom Evaluation and Assessment	3
PSY 3130	Introduction to Educational Psychology	3
SPED 3000	Introduction to Special Education	3
EDUC 4710	Student Teaching: Grades 9-12	5
EDUC 4610	Student Teaching: Grades 7-8	5
EDUC 4950	Teaching Seminar	2

\* Requires provisional admission to Teacher Education Program

\* Praxis II required testing: test code 524 – Principles of Learning and Teaching 7-12 (minimum score 159), and test code 941 – World and U.S. History (minimum score 136). Also must complete the required test in the area of emphasis completed for this endorsement.

*Select at least one field of emphasis for licensure:*

<b>Political Science</b>	<b>6</b>	
POLS 2040	Introduction to Public Policy	3

Select one from the following:

POLS 2070	International Politics	3
POLS 3120	European Politics	3
POLS 3140	Latin American Politics	3

**Economics (6)**

ECON 2020	Principles of Microeconomics	3
ECON 3210	Money and Banking	3

**Geography (6)**

GEOG 3110	Geography of the United States and Canada	3
GEOG 3150	Geographic Information Systems I (three hours lecture, two hours laboratory)	4

GEOG 1050 Lab should be taken as part of General Education requirements.

Students may obtain additional endorsements with a minimum of 9 hours in approved courses; to include the fields of psychology and sociology.

**HISTORY MINOR**

**Credit Hours  
21**

HIST 1210	World History I	3
HIST 1220	World History II	3
HIST 2010	American History I	3
HIST 2020	American History II	3

With the remaining nine (9) hours elected from upper division courses, excluding 4400. Course choices are listed below titled Upper Division Courses.

**Upper Division Courses**

**U. S. History Courses**

HIST 4500	The Colonial Era in America, 1607-1763	3
HIST 4510	Era of the American Revolution, 1763-1800	3
HIST 4520	The Early Republic, 1800-1845	3
HIST 4530	The Civil War Era in America, 1845-1865	3
HIST 4540	Gilded Age America, 1865-1900	3
HIST 4570	United States, 1900-1929	3
HIST 4580	United States, 1929-1960	3
HIST 4590	United States, 1960-1989	3
HIST 4620	The South to 1861	3
HIST 4630	The South Since 1861	3
HIST 4650	African American History to 1890	3
HIST 4660	African American History Since 1890	3
HIST 4670	Women in American History	3
HIST 4700	American Military History to 1919	3
HIST 4710	American Military History Since 1919	3
HSIT 4730	U.S. Foreign Relations Since 1890	3
HIST 4750	American Economic History	3
HIST 4760	Native American History	3
HIST 4770	History of the American West: Comparative American Frontiers	3
HIST 4780	History of the American West: Trans-Mississippi West	3

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### Non U.S. History Courses

HIST 3300	Ancient Greece	3
HIST 3310	Ancient Rome	3
HIST 3320	The Middle Ages After 700	3
HIST 3330	Renaissance and Reformation	3
HIST 3340	Absolutism and the Enlightenment	3
HIST 3350	Modern Europe, 1789-1919	3
HIST 3360	Modern Europe, 1919-present	3
HIST 3370	European Military History, 1789-1945	3
HIST 3380	Britain to 1714	3
HIST 3390	Britain Since 1714	3
HIST 3410	Modern Germany	3
HIST 3440	Africa to 1800	3
HIST 3450	Africa Since 1800	3
HIST 3460	Colonial Latin America	3
HIST 3470	Modern Latin America	3
HIST 3480	The Early Middle Ages	3
HIST 3520	A History of Modern China	3
HIST 3620	Modern Japan	3
HIST 3760	Modern Middle East	3
HIST 3820	Modern Korea	3
HIST 4800	Studies in Liberal Arts	3
HIST 4900	Topics in History	3
HIST 4910	History Abroad	3
HIST 4920	Oral History	3-6
HIST 4930	Historiography Credit	3
HIST 4940	Public History	3

### PHILOSOPHY, B.A., B.S.

The Philosophy major consists of four options: the Philosophy major, and minors in Philosophical Studies, Religious Studies, and Ethical Studies. The philosophy curriculum is designed to encourage students to think critically and creatively about human existence and the nature of reality. It emphasizes (1) training in critical reasoning and logical analysis; (2) an understanding of the many methods of human inquiry; (3) a survey of the history of philosophy and the history of ethics; (4) the analysis and appreciation of values and their application to moral and political issues; (5) a reflective and tolerant exploration of religion; and (6) the growth of a personal philosophy based on the lifelong search for and appreciation of truth, knowledge, goodness, and beauty.

### PHILOSOPHY MAJOR (30 HOURS)

	Credit Hours
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Logic and Epistemology Requirement</b>	<b>6</b>
<b>Required Courses:</b>	
PHIL 3900      Informal Categorical and Propositional Logic	3
PHIL 4910      Epistemology	3

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### **History of Philosophy Requirement** **9**

*Select three from:*

PHIL 3100	Ancient Philosophy	3
PHIL 3110	Medieval Philosophy	3
PHIL 3120	Modern (15th - 18th Century) Philosophy	3
PHIL 3130	19th and 20th Century Philosophy	3

### **Value Theory Requirement** **6**

*Select two from:*

PHIL 3040	History of Ethics	3
PHIL 4100	Social-Political Philosophy	3
PHIL 4720	Ethical Theory	3

### **Electives** **9**

Select three from any remaining Philosophy courses other than PHIL 1030, 1040, 2200

**Credit Hours**

### **ETHICAL STUDIES MINOR** **18**

#### **Theory Requirement**

*Select three from:*

PHIL 3040	History of Ethics	3
PHIL 3050	Religious Ethics	3
PHIL 4100	Social-Political Philosophy	3
PHIL 4720	Ethical Theory	3

#### **Applied Ethics Requirement**

*Select two from:*

PHIL 2300	Medical Ethics	3
PHIL 2310	Environmental Ethics	3
PHIL 2400	Business Ethics	3
PHIL 2410	Educational Ethics	3
PHIL 4015	War and Ethics	3

#### **Elective** **3**

One additional philosophy course, excluding PHIL 1030, 1040, and 2200

**Credit Hours**

### **PHILOSOPHICAL STUDIES MINOR** **18**

#### **Required Course:**

PHIL 3900	Informal, Categorical and Propositional Logic	3
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#### **History of Philosophy Requirement**

*Select two from:*

PHIL 3100	Ancient Philosophy	3
PHIL 3110	Medieval Philosophy	3
PHIL 3120	Modern (15th - 18th Century) Philosophy	3
PHIL 3130	19th and 20th Century Philosophy	3

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### Value Theory Requirement

Select two from:

PHIL 3040	History of Ethics	3
PHIL 4100	Social-Political Philosophy	3
PHIL 4720	Ethical Theory	3

### Elective

**3**

One from any remaining Philosophy course other than PHIL 1030, 1040, or 2200

### RELIGIOUS STUDIES MINOR

**Credit Hours  
18**

Select four from:

PHIL 2200	Religion and the World	3
PHIL 380A	Comparative World Religion	3
PHIL 380B	Islam as a Worldview	3
PHIL 380C	The Battle for God	3
PHIL 3050	Religious Ethics	3
PHIL 3110	Medieval Philosophy	3
PHIL 4500	Philosophy of Religion	3

Select two from:

GREK 1010, 1020	Beginning Greek	3 each
GREK 3310	Greek Myths	3
GREK 3410	Greek Religion	3
LATN 3410	Roman Religion	3
SOC 3400	Sociology of Religion	3
ENGL 340D	Mythology and Folklore	3
PHIL course	Any philosophy course listed above but not used to satisfy the four course requirements.	

### AFRICAN AMERICAN STUDIES MINOR

**Credit Hours  
18**

The minor in African American Studies offers students an African-centered, Pan-Africanist, interdisciplinary course of study which enhances their majors. Minors can study abroad in Africa and receive practical skills in community-based work/volunteer assignments. In addition, students are encouraged to participate in the activities of the African American Cultural Center.

### Required Courses

**12**

The standard requirements for the African American Studies Minor

AAST 2200	Introduction to African American Studies	3
AAST 3020	Seminar in African American Studies	3
Electives	Select two electives in African American Studies from either the Social Science or Humanities lists	

Select one from:

ENGL 340G	African American Literature	3
HIST 3440	Africa to 1800	3
SOC 3020	African American Families	3

Select one in Humanities, Fine Arts, and Communications category OR one in Social Sciences category, plus must select one from Social Sciences category. 12 to 18 credits must be in AAST courses. See listings below.

**Electives - Humanities, Fine Arts, Communications courses**

AAST 2250	African American Expressive Culture	3
AAST 300ABC	Special Topics	3
AAST 3000	Africana Women Across Cultures	3
AAST 3100	Black Leaders of the 20th Century	3
ENGL 340H	African Writers	3
HIST 4650	African American History to 1890	3
HIST 4660	African American History Since 1890	3

**Electives - Social Sciences courses**

AAST 2000	Contemporary African American Life	3
AAST 3200	Study Abroad to Ghana West Africa	3
AAST 4100	Field Experience	3
AAST 4200	African Philosophy	3
GEOG 3750	Geography of the African World	3
POLS 3160	African Politics	3
POLS 4020	The Politics of Contemporary African American Thoughts and Movement	3
PSY 3230	African American Psychology	3
SOC 3050	Race Relations and Minority People	3

**LATIN AMERICAN STUDIES MINOR**

**College of Arts and Letters**

**College of Social Sciences and Professional Programs**

Latin American Studies is an interdisciplinary minor designed to meet the needs of students interested in Latin American history and culture. It is hosted by the departments of History and Philosophy, Languages and Literature, and Political Science.

**Credit Hours**

**Required Courses**

**12**

HIST 3460	Colonial Latin America	3
HIST 3470	Modern Latin America	3
POLS 3140	Latin American Politics	3
POLS 451A	Selected Topics with Latin American focus	3

Select two courses from:

6

ART 324x	Art History, Special Topics with Latin American focus	3
GEOG 1020	Geography of Europe, the Americas, and Australia	3
HIST 4910	History Abroad in Mexico or Mesoamerica	3
SPAN 304A	Study Abroad in Mexico	3-8
SPAN 3610	Spanish-American Civilization I*	3
SPAN 3620	Spanish-American Civilization II*	3
SPAN 3400	Special Topics: Language, with Latin American focus*	3

\*Prerequisite SPAN 2010 and 2020 or third-year proficiency in Spanish.

### Honors Program

#### College of Arts and Letters

Location: Harned Hall, 215  
Phone: 931-221-7119 or 7891  
Email: [honors@apsu.edu](mailto:honors@apsu.edu)

The Honors Program is designed to challenge students and provide opportunities for creative exploration and intellectual development. The program allows motivated students to fulfill fifteen (15) hours of core requirements in a more challenging, interdisciplinary environment. The Honors Program also offers a four-year program option for students who wish to continue in the program in their junior and senior years. Special provision is made each semester for strong students to individualize their studies. The program further welcomes qualified transfer students who are provided personalized programs.

Furthermore, students will receive the designation of Honors Scholar upon graduation. The Four-Year Honors Program, or those transferring into the Honors Program from other schools, will develop enrichment activities designed by their major departments and the Honors Director during their junior and senior years. All Four-Year Honors students' plans must be approved by the Honors Program. All Four-Year Honors students will be expected to participate in the yearly honors symposium. Upon completion of the Four-Year Honors Program, students will graduate as Honors Program Scholars with special distinction and will be so recognized on all official University transcripts and at their graduation.

The Honors Program is compatible with departmental majors and with other special programs such as the President's Emerging Leaders Program. Special arrangements may be made with academic departments to provide Honors credit for advanced courses offered in those departments. For information about specific Honors Courses and to apply for the Honors Program, contact the Director of the Honors Program or the department for more information.

Requirements for Honors Program:

1. The student should rank in the top ten percent of his/her high-school class;
2. The student must have a minimum ACT Composite Score of 26; and
3. The student must have a commendable high-school record.

\*Total record and background, as well as special achievements, are considered upon application.

\*APSU grants a limited number of Honors Scholarships. For information, see the APSU website, [www.apsu.edu/scholarships](http://www.apsu.edu/scholarships).

\*Honors students may also apply for residence in the Harvill Honors Residence Hall.

Requirements for those accepted into Honors Program:

\*Student successfully completes fifteen (15) hours of credit in the Honors Program. (Student receives an Honors Certificate and notation on official transcript.)

#### HONORS COURSES

Honors core courses are designated with "H" in the course schedule. Upper division courses are arranged by each department in consultation with the Honors Director.

## Department of Languages and Literature

### College of Arts and Letters

Location: Harned Hall, 115

Phone: (931) 221-7891

Website: [www.apsu.edu/langlit/](http://www.apsu.edu/langlit/)

The Department of Languages and Literature offers majors in English, Foreign Language (with nine specializations), and Spanish; minors in Classical Civilization, Classical Languages, Creative Writing, English, English Writing, Professional Writing, French, German, Greek, Latin, and Spanish; and courses in Linguistics.

English majors and minors who transfer from other colleges and universities must meet minimum requirements for hours of coursework earned at APSU, as follows:

\*English majors: nine (9) hours of upper division coursework in English

\*English minors: six (6) hours of upper division coursework in English

Teacher Licensure, Grades 7-12: The teaching major is open only to those preparing to teach at the secondary level. Students should plan their coursework in consultation with a faculty advisor assigned by the department.

### ENGLISH (B.A., B.S.)

The English major, leading to the B.A. or B.S. degrees, provides the foundation for a variety of careers. In addition to training students for positions that call primarily for language skills, the English major is a fine preparation for any work where the ability to think independently and creatively is valued.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Lower Division Major Requirements</b>	<b>3</b>
ENGL 1100      Technical and Report Writing	3
<b>Upper Division Major Requirements</b>	<b>33</b>
ENGL 3010      Studies in American Literature I	3
ENGL 3020      Studies in American Literature II	3
ENGL 3100      Studies in British Literature I	3
ENGL 3130      Studies in British Literature II	3
ENGL 3150      Shakespeare	3
<i>Select one:</i>	
ENGL 3200      Expository Writing	3
ENGL 3210      Writing Fiction	3
ENGL 3220      Writing Poetry	3
ENGL 3500      Advanced Technical Writing	3
ENGL 3510      Technical Report Writing	3
ENGL 3600      Professional Writing and Editing	3
ENGL 3700      Business Writing	3
ENGL 4200      Writing Workshop: Expository Writing	3
<i>Select one:</i>	
LING 4010      History and Etymology of English	3

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LING 4020	History of American English	3
LING 4040	Structure and Dialects of American English	3
LING 4050	English Grammar and Usage	3

Select four (4) upper division English courses approved by the department. At least three of the four electives must be 3000 or 4000 level literature courses excluding ENGL 3310, 3320, 3420, and 4400.

*At least one must be a multicultural or diversity literature:*

ENGL 340D	Mythology and Folklore	3
ENGL 340F	Women Writers: Topics in Women's Literature	3
ENGL 340G	Critical Studies in African American Literature	3
ENGL 340H	African Writers	3
ENGL 340M	U.S. Latino/a Literature	3
ENGL 340N	Gay and Lesbian Literature	3
ENGL 340P	Topics in World Literature	3
ENGL 340R	Century's End: Race and Gender at the Turn of the 20th Century	3
ENGL 340W	Critical Studies in Women's Literature	

### Major Electives

ENGL 3200	Expository Writing	3
ENGL 3210	Writing Fiction	3
ENGL 3220	Writing Poetry	3
ENGL 340D	Mythology and Folklore	3
ENGL 340F	Women Writers: Topics in Women's Literature	3
ENGL 340G	Critical Studies in African American Literature	3
ENGL 340H	African Writers	3
ENGL 340M	U.S. Latino/a Literature	3
ENGL 340N	Gay and Lesbian Literature	3
ENGL 340P	Topics in World Literature	3
ENGL 340R	Century's End: Race and Gender at the Turn of the 20th Century	3
ENGL 340W	Critical Studies in Women's Literature	3
ENGL 3500	Advanced Technical Writing	3
ENGL 3510	Technical Report Writing	3
ENGL 3600	Professional Writing and Editing	3
ENGL 360H	Modern Fiction	3
ENGL 3700	Business Writing	3
ENGL 4200	Writing Workshop: Expository Writing	3
LING 4010	History and Etymology of English	3
LING 4020	History of American English	3
LING 4040	Structure and Dialects of American English	3
LING 4050	English Grammar and Usage	3

An English major exit exam is required during the last semester before graduation.

**FOREIGN LANGUAGE, B.A., B.S. (6-8 HOURS)**

**Minor Required**

		<b>Credit Hours</b>
<b>CREATIVE WRITING MINOR</b>		<b>18</b>
ENGL 2200	Introduction to Creative Writing: Poetry and Fiction	3
<i>Select five from:</i>		
ENGL 3200	Expository Writing	3
ENGL 3210	Writing Fiction	3
ENGL 3220	Writing Poetry	3
ENGL 3310	Stories for Creative Writers	3
ENGL 3320	Poetry for Creative Writers	3
ENGL 4200	Writing Workshop: Expository Writing	3
ENGL 4210	Writing Workshop: Fiction	3
ENGL 4220	Writing Workshop: Poetry	3
ENGL 4900	Playwriting	3
ENGL 4950	Advanced Playwriting	3

Or one (1) course from another writing minor. Courses taken for this minor may not be applied to the English major.

		<b>Credit Hours</b>
<b>ENGLISH MINOR</b>		<b>21</b>
ENGL 3100	Studies in British Literature I	3
ENGL 3130	Studies in British Literature II	3

*Select one from:*

ENGL 3010	Studies in American Literature I	3
ENGL 3020	Studies in American Literature II	3

And four (4) upper division English Linguistics courses approved by the department.

		<b>Credit Hours</b>
<b>ENGLISH WRITING MINOR</b>		<b>18</b>

*Select six from:*

ENGL 1100	Technical and Report Writing	3
ENGL 2200	Introduction to Creative Writing: Poetry and Fiction	3
ENGL 3200	Expository Writing	3
ENGL 3210	Writing Fiction	3
ENGL 3220	Writing Poetry	3
ENGL 3500	Advanced Technical Writing	3
ENGL 3510	Technical Report Writing	3
ENGL 4200	Writing Workshop: Expository Writing	3
ENGL 4210	Writing Workshop: Fiction	3
ENGL 4220	Writing Workshop: Poetry	3

Or one (1) course from another writing minor. Courses taken for this minor may not be applied to the English major.

		<b>Credit Hours</b>
<b>PROFESSIONAL WRITING MINOR</b>		<b>18</b>

ENGL 1100	Technical and Report Writing	3
<i>Select five from:</i>		
ENGL 3200	Expository Writing	3

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ENGL 3500	Advanced Technical Writing	3
ENGL 3510	Technical Report Writing	3
ENGL 3600	Professional Writing and Editing	3
ENGL 3700	Business Writing	3
ENGL 4200	Writing Workshop: Expository Writing	3
ENGL 4500	Technical Writing Theory and Research	3
ENGL 4610	Professional Writing Internship	3
COMM 3100	Desktop Publishing	3
COMM 4150	Feature Writing	3

Or one (1) course from another writing minor. Courses taken for this minor may not be applied to the English major.

### ENGLISH (B.A., B.S.) with Teacher Licensure

This program satisfies Tennessee guidelines for secondary school licensure.

<b>General Education (see TBR Common Core)</b>	<b>Credit Hours</b>
	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>

#### Lower Division Major Requirements

ENGL 1100	Technical and Report Writing	3
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#### Upper Division Major Requirements **33**

ENGL 3010	Studies in American Literature I	3
ENGL 3020	Studies in American Literature II	3
ENGL 3100	Studies in British Literature I	3
ENGL 3130	Studies in British Literature II	3
ENGL 3150	Shakespeare	3
ENGL 3420	The Adolescent Experience in Literature	3
ENGL 4400	Teaching English in Secondary School	3
RDG 4890	Teaching Reading in Secondary School	3

*Select one from:*

ENGL 3200	Expository Writing	3
ENGL 3500	Advanced Technical Writing	3
ENGL 3600	Professional Writing and Editing	3

*Select two from:*

LING 4010	History and Etymology of English	3
LING 4020	History of American English	3
LING 4040	Structure and Dialects of American English	3
LING 4050	English Grammar and Usage	3

Students must have one (1) upper division literature elective approved by their advisor, and the Professional Education minor; one year of a foreign language at the college level. Student Teaching is required for licensure.

### FOREIGN LANGUAGES (B.A.)

Website: [www.apsu.edu/langlit/for/foreign.htm](http://www.apsu.edu/langlit/for/foreign.htm)

The Department of Languages and Literature offers a Foreign Languages Major with nine specializations; a Spanish major; minors in Classical Civilization; Classical Languages,

French, German, Greek, Latin, and Spanish.

Students seeking licensure for teaching grades 7-12 in Tennessee must also take LING 4400 and one study abroad course from SPAN 304A or 304B for Spanish licensure; FREN 3040 for French licensure; or GERM 3040 for German licensure; or present evidence of an acceptable intensive experience abroad in the target language. Students must also complete the Professional Education minor and Student Teaching. Teacher licensure for grades 7-12 is available in French, German, and Latin through specializations in the Foreign Languages major and in Spanish only through the Spanish major. Foreign language majors who transfer from other colleges and universities must earn at least six (6) hours of coursework in each of the two foreign languages taken at Austin Peay.

An oral or, in the case of ancient languages, a written proficiency exam and a portfolio are graduation requirements for all Foreign Language and Spanish majors. Students must see their advisor for more information. A minor is required for Foreign Language and Spanish majors.

<b>General Education (see TBR Common Core)</b>	<b>Credit Hours</b>
	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>

**CLASSICS SPECIALIZATION 36**

GREK 2010	Intermediate Greek I	3
GREK 2020	Intermediate Greek II	3
LATN 2010	Intermediate Latin I	3
LATN 2020	Intermediate Latin II	3

*Select three from:*

GREK or LATN 3000 or 4000 series courses

*Select five from:*

Any of the CLAS series		
GREK 1110	Elementary Modern Greek	3
ART 2010	Art History Survey I	3
ENGL 340D	Mythology and Folklore	3
HIST 3300	Ancient Greece	3
HIST 3310	Ancient Rome	3
HIST 3480	The Early Middle Ages	3

**FRENCH AND GERMAN SPECIALIZATION Credit Hours  
36**

FREN 2010	Intermediate French I	3
FREN 2020	Intermediate French II	3
FREN 3210	Advanced Composition in French	3
FREN 3220	Phonics and Conversation in French	3
FREN 3310	Geography and History of France	3
FREN 3320	French Civilization	3
GERM 2010	Intermediate German I	3
GERM 2020	Intermediate German II	3
GERM 3210	Advanced Composition in German	3
GERM 3220	Phonics and Conversation in German	3
GERM 3510	German Civilization, Culture, and Geography I	3
GERM 3520	German Civilization, Culture, and Geography II	3

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### FRENCH AND SPANISH SPECIALIZATION

Credit Hours  
**36**

FREN 2010	Intermediate French I	3
FREN 2020	Intermediate French II	3
FREN 3210	Advanced Composition in French	3
FREN 3220	Phonetics and Conversation in French	3
FREN 3310	Geography and History of France	3
FREN 3320	French Civilization	3
SPAN 2010	Intermediate Spanish I	3
SPAN 2020	Intermediate Spanish II	3
SPAN 3210	Advanced Composition in Spanish	3
SPAN 3220	Phonetics and Conversation in Spanish	3

And either 3510 and 3520, or 3610 and 3620

### FRENCH SPECIALIZATION

Credit Hours  
**33-35**

FREN 2010	Intermediate French I	3
FREN 2020	Intermediate French II	3
FREN 3210	Advanced Composition in French	3
FREN 3220	Phonetics and Conversation in French	3
FREN 3310	Geography and History of France	3
FREN 3320	French Civilization	3

*Select two from:*

FREN 4510	Survey of French Literature I	3
FREN 4520	Survey of French Literature II	3
FREN 4530	French Literature: Special Topics	3

A two-semester sequence from Spanish, German, Greek, or Latin 6-8

### GERMAN AND SPANISH SPECIALIZATION

Credit Hours  
**36**

GERM 2010	Intermediate German I	3
GERM 2020	Intermediate German II	3
GERM 3210	Advanced Composition in German	3
GERM 3220	Phonetics and Conversation in German	3
GERM 3510	German Civilization, Culture, and Geography I	3
GERM 3520	German Civilization, Culture, and Geography II	3
SPAN 2010	Intermediate Spanish I	3
SPAN 2020	Intermediate Spanish II	3
SPAN 3210	Advanced Composition in Spanish	3
SPAN 3220	Phonetics and Conversation in Spanish	3

And either 3510 and 3520, or 3610 and 3620

### GERMAN SPECIALIZATION

Credit Hours  
**30-32**

GERM 2010	Intermediate German I	3
GERM 2020	Intermediate German II	3
GERM 3210	Advanced Composition in German	3
GERM 3220	Phonetics and Conversation in German	3
GERM 3510	German Civilization, Culture, and Geography I	3
GERM 3520	German Civilization, Culture, and Geography II	3

Select two from:

GERM 4510	Survey of German Literature	3
GERM 4520	Survey of Germany Literature II	3
GERM 4530	German Literature: Special Topics	3
A two-semester sequence from Spanish, Greek, French, or Latin		6-8

Credit Hours  
33-35

**GREEK SPECIALIZATION**

GREK 2010	Intermediate Greek I	3
GREK 2020	Intermediate Greek II	3

Select three from:

GREK 3000 or 4000 series courses

Select four from:

Any of the CLAS series		3 each
GREK 1110	Elementary Modern Greek	3
ART 2010	Art History Survey I	3
ENGL 340D	Mythology and Folklore	3
HIST 3300	Ancient Greece	3
HIST 3480	The Early Middle Ages	3
PHIL 3100	Ancient Philosophy	3
A two-semester sequence from Spanish, German, French, or Latin		6-8

Credit Hours  
33-35

**LATIN SPECIALIZATION**

LATN 2010	Intermediate Latin I	3
LATN 2020	Intermediate Latin II	3

Select three from:

LATN 3000 or 4000 series courses

Select four from:

Any of the CLAS series		3 each
GREK 1110	Elementary Modern Greek	3
ART 2010	Art History Survey I	3
ENGL 340D	Mythology and Folklore	3
HIST 3310	Ancient Rome	3
HIST 3480	The Early Middle Ages	3
PHIL 3100	Ancient Philosophy	3
A two-semester sequence from Spanish, German, French, or Greek		6-8

Credit Hours  
30-32

**SPANISH SPECIALIZATION**

SPAN 2010	Intermediate Spanish I	3
SPAN 2020	Intermediate Spanish II	3
SPAN 3210	Advanced Composition in Spanish	3
SPAN 3220	Phonetics and Conversation in Spanish	3

And either

SPAN 3510	Spanish Civilization I	3
SPAN 3520	Spanish Civilization II	3
SPAN 4510	Survey of Spanish Peninsular I	3
SPAN 4520	Survey of Spanish Peninsular II	3

Or

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SPAN 3610	Spanish-American Civilization I	3
SPAN 3620	Spanish Civilization II	3
SPAN 4610	Survey of Spanish American Literature I	3
SPAN 4620	Survey of Spanish American Literature II	3
A two-semester sequence from Latin, German, French, or Greek		6-8

### Credit Hours 18-20

#### CLASSICAL CIVILIZATION MINOR

*Select two from:*

GREK or Latin 1010, 1020, 2010, 2020 6-8

Or any of the GREK or LATN 3000 or 4000 courses

*Select four from:*

The CLAS 3000 series 3 each

GREK 1110	Elementary Modern Greek	3
ART 2010	Art History Survey I	3
ENGL 340D	Mythology and Folklore	3
HIST 3300	Ancient Greece	3
HIST 3310	Ancient Rome	3
HIST 3480	The Early Middle Ages	3
PHIL 3100	Ancient Philosophy	3

### Credit Hours 18-22

#### CLASSICAL LANGUAGE MINOR

*Select four from:*

Greek or Latin 1010, 1020, 2010, 2020

Or any of the GREK or LATN 3000 or 4000 courses

*Select two from:*

The CLAS 3000 series 3 each

GREK 1110	Elementary Modern Greek	3
ART 2010	Art History Survey I	3
ENGL 340D	Mythology and Folklore	3
HIST 3300	Ancient Greece	3
HIST 3310	Ancient Rome	3
HIST 3480	The Early Middle Ages	3
PHIL 3100	Ancient Philosophy	3

### Credit Hours 21

#### FRENCH MINOR

FREN 2010	Intermediate French I	3
FREN 2020	Intermediate French II	3
FREN 3210	Advanced Composition in French	3
FREN 3220	Phonetics and Conversation in French	3

*Select three from:*

FREN3040	Study Abroad in Quebec	6-8
FREN 3050	Semester Study in France	12
FREN 3310	Geography and History of France	3
FREN 3320	French Civilization	3
FREN 3330	Quebec Literature and Culture	3
FREN 3410	Business French	3
FREN 4510	Survey of French Literature I	3

FREN 4520	Survey of French Literature II	3
FREN 4530	French Literature: Special Topics	3

**Credit Hours  
18**

**GERMAN MINOR**

GERM 2010	Intermediate German I	3
GERM 2020	Intermediate German II	3
GERM 3210	Advance Composition in German	3
GERM 3220	Phonetics and Conversation in German	3
GERM 3510	German Civilization, Culture, and Geography I	3
GERM 3520	German Civilization, Culture, and Geography II	3

Transfer students must earn at least six hours in French APSU.

**Credit Hours  
18-20**

**GREEK MINOR**

*Select four from:*

GREK 1010	Beginning Greek I	4
GREK 1020	Beginning Greek II	4
GREK 2010	Intermediate Greek I	3
GREK 2020	Intermediate Greek II	3

Or any of the GREK 3000 or 4000 courses

*Select two from:*

The CLAS 3000 series		3 each
GREK 1110	Elementary Modern Greek	3
ART 2010	Art History Survey I	3
ENGL 340D	Mythology and Folklore	3
HIST 3300	Ancient Greece	3
HIST 3310	Ancient Rome	3
HIST 3480	The Early Middle Ages	3
PHIL3100	Ancient Philosophy	3

**Credit Hours  
18-20**

**LATIN MINOR**

*Select four from:*

LATN 1010	Elementary Latin I	4
LATN 1020	Elementary Latin II	4
LATN 2010	Intermediate Latin I	3
LATN 2020	Intermediate Latin II	3

Or any of the LATN 3000 or 4000 courses

*Select two from:*

The CLAS 3000 series		3 each
GREK 1110	Elementary Modern Greek	3
ART 2010	Art History Survey I	3
ENGL 340D	Mythology and Folklore	3
HIST 3300	Ancient Greece	3
HIST 3310	Ancient Rome	3
HIST 3480	The Early Middle Ages	3
PHIL 3100	Ancient Philosophy	3

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## SPANISH MAJOR

This program satisfies Tennessee guidelines for secondary school licensure. Students seeking licensure, 7-12 for teaching in Tennessee, must also complete the Professional Education Minor, LING 4400, SPAN 304A or 304B, Student Teaching, and the PRAXIS II Spanish specialty exam (code 191, minimum score of 152; and code 192, minimum score of 154). Transfer students must earn at least six (6) hours in Spanish at APSU.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirements</b>	<b>1</b>
<b>Lower Division Major Requirements</b>	<b>14</b>
SPAN 1010      Elementary Spanish I	4
SPAN 1020      Elementary Spanish II	4
SPAN 2010      Intermediate Spanish I	3
SPAN 2020      Intermediate Spanish II	3
<b>Upper Division Major Requirements</b>	<b>30</b>
SPAN 3210      Advanced Composition in Spanish	3
SPAN 3220      Phonetics and Conversation in Spanish	3
SPAN 3510      Spanish Civilization I	3
SPAN 3520      Spanish Civilization II	3
SPAN 3610      Spanish-American Civilization I	3
SPAN 3620      Spanish-American Civilization II	3
SPAN 4510      Survey of Spanish Peninsular Literature I	3
SPAN 4520      Survey of Spanish Peninsular Literature II	3
SPAN 4610      Survey of Spanish-American Literature I	3
SPAN 4620      Survey of Spanish-American Literature II	3

The Professional Education Minor is required for this major.

	<b>Credit Hours</b>
<b>SPANISH MINOR</b>	<b>18</b>
SPAN 2010      Intermediate Spanish I	3
SPAN 2020      Intermediate Spanish II	3
SPAN3210      Advanced Composition in Spanish	3
SPAN 3220      Phonetics and Conversation in Spanish	3
<i>Select one from:</i>	
SPAN 3510      Spanish Civilization I	3
SPAN 3520      Spanish Civilization II	3
<i>Select one from:</i>	
SPAN 3610      Spanish-American Civilization I	3
SPAN 3620      Spanish-American Civilization II	3

## Department of Music (B.A., B.S.)

### College of Arts and Letters

Location: Music/Mass Communication, 139

Phone: 931-221-7818; Fax 931-221-7529

Website: [www.apsu.edu/mus](http://www.apsu.edu/mus)

The Department of Music provides comprehensive undergraduate and graduate programs designed to produce skilled, knowledgeable, creative, and articulate musicians by

- Providing training and experience for students preparing for careers in music performance and composition;
- Providing music training and teaching experience for students seeking licensure in education to help meet the need for competent music teachers in the state and region;
- Providing educational resources and musical experiences as part of a comprehensive liberal arts education;
- Providing training toward the development of critical thinking in music; and
- Providing a rich program of artistic and cultural events in conjunction with the Center of Excellence for the Creative Arts to emphasize the importance of music in the lives of students and the community.

### ACCREDITATIONS

Programs in the Department of Music are accredited by the National Association of Schools of Music.

### REQUIREMENTS

Audition is required for admission to the Department of Music, as well as for a music scholarship. Contact the department for audition times.

Theory Placement - All entering music majors are required to take a theory placement exam at a designated time. An unsatisfactory score will result in students being required to successfully pass Introduction to Music Theory I and II before beginning the theory sequence.

Ensembles - A student majoring in music is required to participate satisfactorily every semester in the performing organization deemed appropriate to his or her major performing medium. For woodwind, brass, and percussion majors, this will be Band (Fall - Marching Band, Spring - Symphonic Band/Wind Ensemble); for vocal majors, the University Choir; for string majors, the Orchestra or Guitar Ensemble. Keyboard majors may choose any performing organization appropriate to their experience in order to fulfill this requirement.

Recital Attendance - During the academic year, all music majors are required to attend a predetermined number of recitals and programs sponsored or approved by the department. Students who are deficient in this requirement at the end of the sophomore year will not be eligible to take their Junior Level Examination; those deficient at the end of their senior year will not graduate.

Junior Level Exam - Music majors must pass a Junior Level Examination, ordinarily scheduled at the end of the sophomore year, before enrolling in upper division (3xxx level) individual instruction. All majors will have a maximum of three (3) attempts to pass the Junior Level Examination. A minimum of three (3) semesters of upper division (3xxx level) instruction are required prior to the Senior Recital. Students whose background in performance is deficient may be required to take more than the normal amount of credit at the lower division level. Upper division credit in performance is granted only after the student

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passes the Junior Level Examination. Each music major is normally required to appear at least once each year in a recital, either in solo or ensemble performance.

**Piano Proficiency** - The piano proficiency examination is required for majors whose primary Individual Instruction is not piano.

**Music Education Majors** - Music Education majors with instrumental specialization must pass the following proficiency examinations: Strings; Woodwinds; Brass; and Percussion.

**Vocal Performance** - Students enrolled in the vocal emphasis of the Music Performance concentration must complete two semesters of intermediate foreign language.

**Transfer Students** - Students transferring from another institution must take a proficiency examination in music theory before completing registration. Placement in music theory will depend upon the results of this examination. The transfer student's placement in applied music must be approved by the jury examination at the end of the first semester at APSU.

**Music Minor** - Students who minor in music must belong to one performing organization for two years. They must also pass the proficiency examination in their applied area.

### APPLIED MUSIC – INDIVIDUAL INSTRUCTION

Enrollment for individual applied music lessons must have the approval of the instructor. The course may be repeated for credit.

There is a private music instruction fee associated with each applied music individual instruction course. Students who miss regularly scheduled lessons (except for reasons of illness or institutionally excused absences) are not entitled to make up lessons or receive fee adjustments. All fees are paid in the Business Office of the University.

### PRIVATE MUSIC INSTRUCTION FEE

- \$150 per semester for one half-hour (clock hour) lesson per week
- \$300 per semester for one hour (clock hour) lesson per week

### APPLIED MUSIC – INDIVIDUAL INSTRUCTION COURSES Lower Division

The following courses are offered for one clock hour weekly lesson and may be taken for either 1, 2, or 3 credit hours.

MUS 1100	Piano — Individual Instruction
MUS 1150	Organ — Individual Instruction
MUS 1200	Voice — Individual Instruction
MUS 1300	Violin — Individual Instruction
MUS 1310	Viola — Individual Instruction
MUS 1320	Cello — Individual Instruction
MUS 1330	String Bass — Individual Instruction
MUS 1340	Saxophone — Individual Instruction
MUS 1370	Flute — Individual Instruction
MUS 1380	Oboe — Individual Instruction
MUS 1390	Clarinet — Individual Instruction
MUS 1410	Bassoon — Individual Instruction
MUS 1420	French Horn — Individual Instruction
MUS 1430	Trumpet — Individual Instruction
MUS 1440	Trombone — Individual Instruction
MUS 1450	Baritone — Individual Instruction
MUS 1460	Tuba — Individual Instruction

MUS 1470	Percussion — Individual Instruction
MUS 1480	Guitar — Individual Instruction
MUS 1550	Composition — Individual Instruction

The following courses are offered for one half-hour of weekly instruction and may be taken for one credit hour.

MUS 1109	Piano — 1/2 hour instruction
MUS 1159	Organ — 1/2 hour instruction
MUS 1209	Voice — 1/2 hour instruction
MUS 1309	Violin — 1/2 hour instruction
MUS 1319	Viola — 1/2 hour instruction
MUS 1329	Cello — 1/2 hour instruction
MUS 1339	String Bass — 1/2 hour instruction
MUS 1349	Saxophone — 1/2 hour instruction
MUS 1379	Flute — 1/2 hour instruction
MUS 1389	Oboe — 1/2 hour instruction
MUS 1399	Clarinet — 1/2 hour instruction
MUS 1419	Bassoon — 1/2 hour instruction
MUS 1429	French Horn — 1/2 hour instruction
MUS 1439	Trumpet — 1/2 hour instruction
MUS 1449	Trombone — 1/2 hour instruction
MUS 1459	Baritone — 1/2 hour instruction
MUS 1469	Tuba — 1/2 hour instruction
MUS 1479	Percussion — 1/2 hour instruction
MUS 1489	Guitar — 1/2 hour instruction

### Upper Division

The following courses are offered for one clock hour weekly lesson and may be taken for either 1, 2, or 3 credit hours.

MUS 3100	Piano — Individual Instruction
MUS 3150	Organ — Individual Instruction
MUS 3200	Voice — Individual Instruction
MUS 3300	Violin — Individual Instruction
MUS 3310	Viola — Individual Instruction
MUS 3320	Cello — Individual Instruction
MUS 3330	String Bass — Individual Instruction
MUS 3340	Saxophone — Individual Instruction
MUS 3370	Flute — Individual Instruction
MUS 3380	Oboe — Individual Instruction
MUS 3390	Clarinet — Individual Instruction
MUS 3410	Bassoon — Individual Instruction
MUS 3420	French Horn — Individual Instruction
MUS 3430	Trumpet — Individual Instruction
MUS 3440	Trombone — Individual Instruction
MUS 3450	Baritone — Individual Instruction
MUS 3460	Tuba — Individual Instruction
MUS 3470	Percussion — Individual Instruction
MUS 3480	Guitar — Individual Instruction
MUS 3550	Composition — Individual Instruction
MUS 3950	Junior Recital (1) — Individual Instruction

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MUS 4930	Senior Recital (0) — Individual Instruction
MUS 4950	Senior Recital (1) — Individual Instruction

The following courses are offered for one half-hour of weekly instruction and may be taken for one credit hour.

MUS 3109	Piano — 1/2 hour instruction
MUS 3159	Organ — 1/2 hour instruction
MUS 3209	Voice — 1/2 hour instruction
MUS 3309	Violin — 1/2 hour instruction
MUS 3319	Viola — 1/2 hour instruction
MUS 3329	Cello — 1/2 hour instruction
MUS 3339	String Bass — 1/2 hour instruction
MUS 3349	Saxophone — 1/2 hour instruction
MUS 3379	Flute — 1/2 hour instruction
MUS 3389	Oboe — 1/2 hour instruction
MUS 3399	Clarinet — 1/2 hour instruction
MUS 3419	Bassoon — 1/2 hour instruction
MUS 3429	French Horn — 1/2 hour instruction
MUS 3439	Trumpet — 1/2 hour instruction
MUS 3449	Trombone — 1/2 hour instruction
MUS 3459	Baritone — 1/2 hour instruction
MUS 3469	Tuba — 1/2 hour instruction
MUS 3479	Percussion — 1/2 hour instruction
MUS 3489	Guitar — 1/2 hour instruction

### MUSIC (B.A., B.S.)

#### LIBERAL STUDIES CONCENTRATION

	Credit Hours
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>6</b>
Intermediate Foreign Language**	6

\*\*Required for the B.A.

#### **Additional Major Requirements** **23**

\*Student must complete a minor in another department.

\*Student must consult with individual department for specific requirements.

#### **Lower Division Major Requirements** **30**

MUS 1060*	Recital Attendance (Pass or Fail)	0
MUS 1180	Music Theory I	3
MUS 1185	Aural Skills I	1
MUS 1190	Music Theory II	3
MUS 1195	Aural Skills II	1
MUS 1970***	Introduction to Music Literature	3
MUS 2180	Music Theory III	3
MUS 2185	Aural Skills III	1
MUS 2190	Music Theory IV	3

MUS 2195	Aural Skills IV	1
MUS 1170 or 1100	Class Piano or Individual Piano	1
MUS 1160** or 1100	Class Piano or Individual Piano	2
MUS 1xxx*	Appropriate Ensemble	4
MUS 1xxx*	Individual Instruction on major instrument	4

\*Required every semester.

\*\*Class meets for two periods weekly.

\*\*\*May be used as a substitute for 3 hours of Humanities.

**Upper Division Major Requirements 27**

MUS 3010	Music History	3
MUS 3020	Music History	3
MUS 3160	Introduction to Music Technology	3
MUS 3800*	Basic Conducting	2
MUS 3505 or 3860 or 4270 or 4280	Guitar Pedagogy or Vocal Pedagogy or Piano Pedagogy or Instrumental Pedagogy (appropriate to major)	3
MUS 3xxx	Appropriate Ensemble	4
MUS 3xxx	Applied Music—Individual Instruction	8
MUS 4930	Senior Recital	1

\*Class meets for three periods weekly.

**Electives 3**

Music Elective		1
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**MUSIC EDUCATION (B.A., B.S.) WITH TEACHER LICENSURE**

**MUSIC EDUCATION CONCENTRATION—INSTRUMENTAL SPECIALIZATION**

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>

**Specific General Education Requirements 3/9**

MUS 1970*	Introduction to Music Literature (Required for the B.A., B.S.)	3
	Intermediate Foreign Language (Required for the B.A.)	6

\*This course is required and may be used as a substitute for 3 hours of the humanities core.

**Minor in Professional Education required for this major 27**

**Lower Division Major Requirements 28**

MUS 1060*	Recital Attendance (seven semesters) – (Pass or Fail)	0
MUS 1180	Music Theory I	3
MUS 1185	Aural Skills I	1
MUS 1190	Music Theory II	3
MUS 1195	Aural Skills II	1
MUS 1250** or 1500/3500***	Class Voice or Choir	1
MUS 2180	Music Theory III	3
MUS 2185	Aural Skills III	1

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MUS 2190	Music Theory IV	3
MUS 2195	Aural Skills IV	1
MUS 1160** or 1100	Class Piano or Individual Piano	1
MUS 2240	Foundations of Music Education	2
MUS 1630 or 1350*** or 1990***	Marching Band or Orchestra or Guitar Ensemble	2
MUS 1600*** or 1350*** or 1990***	Symphonic Band or Orchestra or Guitar Ensemble	2
MUS 1xxx	Applied Music–Individual Instruction*	4

\*Required every semester.

\*\*Class meets for 2 periods.

\*\*\*Class meets for 3 periods.

### Upper Division Major Requirements 32

MUS 3xxx	Applied Music–Individual Instruction*	6
<i>Ensemble (3 semesters as designated below):</i>		
MUS 3630 or 3350 or 3990	Marching Band or Orchestra or Guitar Ensemble	2
MUS 3600 or 3350 or 3990	Symphonic Band/Wind Ensemble or Orchestra or Guitar Ensemble	1
MUS 3010	Music History	3
MUS 3020	Music History	3
MUS 3160	Introduction to Music Technology	3
MUS 3255	General Music Methods	2
MUS 3800	Basic Conducting (3 periods weekly)	2
MUS 3820	Instrumental Conducting (3 periods weekly)	2
MUS 4240 or 4420 or 3860	Marching Band Techniques or Symphonic Literature or Guitar Pedagogy	3
MUS 4260	Materials and Techniques for Instr. Instruct.	3
MUS 4810	Orchestration	2
MUS 4930	Senior Recital	0

\*A minimum of 3 semesters.

### PROFESSIONAL EDUCATION MINOR (27)

**Credit Hours**  
**15**

EDUC 3070	Instructional Strategies	3
EDUC 4080	Classroom Organization and Management	3
EDUC 4160	Teaching Diverse Students	3
PSY 3130	Introduction to Educational Psychology	3
SPED 3000	Introduction to Special Education	3

### Student Teaching

**12**

EDUC 4410	Student Teaching: Grades K-3	5
EDUC 4510	Student Teaching: Grades 4-6	5
EDUC 4610	Student Teaching: Grades 7-8	5
EDUC 4710	Student Teaching: Grades 9-12	5
EDUC 4950	Teaching Seminar	2

**MUSIC EDUCATION (B.S.) WITH TEACHER LICENSURE**

**MUSIC EDUCATION CONCENTRATION—KEYBOARD SPECIALIZATION**

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>

**Specific General Education Requirements 3/9**

*MUS 1970 Introduction to Music Literature (Required for the B.A., B.S.)	3
Intermediate Foreign Language (Required for the B.A.)	6

\*This course is required and may be used as a substitute for 3 hours of the humanities core.

**Minor in Professional Education required for this major 27**

**Lower Division Major Requirements 28**

MUS 1060* Recital Attendance (seven semesters) – (Pass or Fail)	0
MUS 1100 Applied Music–Individual Instruction Piano*	4
MUS 1xxx Ensemble (4 semesters)	4
MUS 1180 Music Theory I	3
MUS 1185 Aural Skills I	1
MUS 1190 Music Theory II	3
MUS 1195 Aural Skills II	1
MUS 1200 Applied Music - Individual Instruction - Voice	2
MUS 2180 Music Theory III	3
MUS 2185 Aural Skills III	1
MUS 2190 Music Theory IV	3
MUS 2195 Aural Skills IV	1
MUS 2240 Foundations of Music Education	2

\*Required every semester.

**Upper Division Major Requirements 32**

MUS 3xxx Applied Music–Individual Instruction*	6
Ensemble (3 semesters as designated below)	3
MUS 3010 Music History	3
MUS 3020 Music History	3
MUS 3160 Introduction to Music Technology	3
MUS 3255 General Music Methods	2
MUS 3800 Basic Conducting (3 periods weekly)	2
MUS 3810 Choral Conducting (3 periods weekly)	2
MUS 4270 or 4280 or 4380 Vocal Pedagogy or Piano Pedagogy or Choral Techniques	3
MUS 4310 Survey of Piano Literature	3
MUS 4810 Orchestration	2
MUS 4930 Senior Recital	0

\*A minimum of 3 semesters.

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<b>PROFESSIONAL EDUCATION MINOR (27)</b>		<b>Credit Hours</b>
EDUC 3070	Instructional Strategies	3
EDUC 4080	Classroom Organization and Management	3
EDUC 4160	Teaching Diverse Students	3
PSY 3130	Introduction to Educational Psychology	3
SPED 3000	Introduction to Special Education	3

<b>Student Teaching</b>		<b>12</b>
EDUC 4410	Student Teaching: Grades K-3	5
EDUC 4510	Student Teaching: Grades 4-6	5
EDUC 4610	Student Teaching: Grades 7-8	5
EDUC 4710	Student Teaching: Grades 9-12	5
EDUC 4950	Teaching Seminar	2

## MUSIC EDUCATION (B.A., B.S.) WITH TEACHER LICENSURE

### MUSIC EDUCATION CONCENTRATION—VOCAL SPECIALIZATION

		<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>		<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>		<b>1</b>
<b>Specific General Education Major Requirements</b>		<b>3/9</b>
MUS 1970*	Introduction to Music Literature (Required for the B.A., B.S.)	3
Intermediate Foreign Language (Required for the B.A.)		6

\*This course is required and may be used as a substitute for 3 hours of the humanities core.

**Minor in Professional Education required for this major** **27**

<b>Lower Division Major Requirements</b>		<b>27</b>
MUS 1060*	Recital Attendance (seven semesters ) – (Pass or Fail)	0
MUS 1160 or 1100	Class Piano or Applied Music–Individual Instruction Piano	1
MUS 1200	Applied Music–Individual Instruction Voice*	4
MUS 1500	Ensemble (4 semesters)	4
MUS 1180	Music Theory I	3
MUS 1185	Aural Skills I	1
MUS 1190	Music Theory II	3
MUS 1195	Aural Skills II	1
MUS 2180	Music Theory III	3
MUS 2185	Aural Skills III	1
MUS 2190	Music Theory IV	3
MUS 2195	Aural Skills IV	1
MUS 2240	Foundations of Music Education	2

\*A minimum of four semesters.

<b>Upper Division Major Requirements</b>		<b>33</b>
MUS 3xxx	Applied Music–Individual Instruction*	6
MUS 3500	Ensemble	3

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MUS 3010	Music History	3
MUS 3020	Music History	3
MUS 3160	Introduction to Music Technology	3
MUS 3255	General Music Methods	2
MUS 3252	Secondary Music Methods and Humanities	1
MUS 3800	Basic Conducting (3 periods weekly)	2
MUS 3810	Choral Conducting (3 periods weekly)	2
MUS 4380	Choral Techniques	3
MUS 4390	Choral Literature	3
MUS 4810	Orchestration	2
MUS 4930	Senior Recital	0

\*A minimum of 3 semesters.

### PROFESSIONAL EDUCATION MINOR (27)

**Credit Hours  
15**

EDUC 3070	Instructional Strategies	3
EDUC 4080	Classroom Organization and Management	3
EDUC 4160	Teaching Diverse Students	3
PSY 3130	Introduction to Educational Psychology	3
SPED 3000	Introduction to Special Education	3

### Student Teaching

**12**

EDUC 4410	Student Teaching: Grades K-3	5
EDUC 4510	Student Teaching: Grades 4-6	5
EDUC 4610	Student Teaching: Grades 7-8	5
EDUC 4710	Student Teaching: Grades 9-12	5
EDUC 4950	Teaching Seminar	2

## MUSIC PERFORMANCE (B.A., B.S.)

### COMPOSITION SPECIALIZATION

**Credit Hours**

**General Education (see TBR Common Core)** **41**

**University-Wide Freshman Seminar Requirement** **1**

**Specific General Education Requirements** **6**

Intermediate Foreign Language (required for the B.A.) 6

**Elective for B.S.** **3**

MUS 1970\* Introduction to Music Literature 3

\*This course is required and may be used as a substitute for 3 hours of the humanities core.

**Lower Division Major Requirements** **37**

MUS 1060 Recital Attendance (eight semesters) – (Pass or Fail) 0

MUS 1100\*\* Applied Music–Individual Instruction in Piano 4

MUS 1xxx Applied Music–Individual Instruction (4 semesters) 4

MUS 1xxx Ensemble (4 semesters) 4

MUS 1180 Music Theory I 3

MUS 1185 Aural Skills I 1

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MUS 1190	Music Theory II	3
MUS 1195	Aural Skills II	1
MUS 1550	Composition	9
MUS 2180	Music Theory III	3
MUS 2185	Aural Skills III	1
MUS 2190	Music Theory IV	3
MUS 2195	Aural Skills IV	1

\*A minimum of four semesters.

\*\*MUS 1160 and MUS 1170 may substitute for 2 semesters of Individual Instruction in Piano.

### Upper Division Major Requirements **42**

MUS 3010	Music History	3
MUS 3020	Music History	3
MUS 3160	Introduction to Music Technology	3
MUS 3800	Basic Conducting	2
MUS 4810	Orchestration	2
MUS 4930	Senior Recital	2
MUS 3550	Composition	9
MUS 4110	Music Analysis	3
MUS 4120	Music Analysis	3
MUS 4350	Music after 1900	3
MUS 4330 or 4340	Music before 1750 or Music from 1750 to 1900	
MUS 4460	Music of Many Cultures	3
MUS 3xxx	Ensemble	2
MUS Elective		1

## MUSIC PERFORMANCE (B.A., B.S)

### PERFORMANCE CONCENTRATION—INSTRUMENTAL SPECIALIZATION

	Credit Hours
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>6</b>
Intermediate Foreign Language (required for the B.A.)	6

MUS 1970*	Introduction to Music Literature	3
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\*This course is required and may be used as a substitute for 3 hours of the humanities core.

### Lower Division Major Requirements **33**

MUS 1060*	Recital Attendance (eight semesters) – Pass or Fail	0
MUS 1180	Music Theory I	3
MUS 1185	Aural Skills I	1
MUS 1190	Music Theory II	3
MUS 1195	Aural Skills II	1
MUS 2180	Music Theory III	3
MUS 2185	Aural Skills III	1

MUS 2190	Music Theory IV	3
MUS 2195	Aural Skills IV	1
MUS1100 or 1160	Applied Music–Individual Instruction in Piano or Class Piano (one semester)	1
MUS 1xxx	Applied Music–Individual Instruction	8
MUS 1xxx	Ensemble (appropriate)	8

**Upper Division Major Requirements 43**

MUS3xxx	Applied Music–Individual Instruction (four semesters)	8
MUS 3xxx	Ensemble (appropriate)	8
MUS 3010	Music History	3
MUS 3020	Music History	3
MUS 3160	Introduction to Music Technology	3
MUS 3800	Basic Conducting (3 periods weekly)	2
MUS 3820	Instrumental Conducting (3 periods weekly)	2
MUS 3950	Junior Recital	1
MUS 4110	Music Analysis	3
MUS 4120	Music Analysis	3
MUS 4260	Materials and Techniques for Instrumental Instruction	3
MUS 4320 or 4420 or 4430 or 4450	Guitar Literature or Symphonic Literature or Chamber Music Literature or Opera Literature	3
MUS 4950	Senior Recital	2

**MUSIC (B.A., B.S.)**

**PERFORMANCE CONCENTRATION—KEYBOARD SPECIALIZATION**

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>3/9</b>
MUS 1970* Introduction to Music Literature*	3
*This course is required and may be used as a substitute for 3 hours in the humanities core.	
Intermediate Foreign Language (required for the B.A.)	6

**Lower Division Major Requirements 33**

MUS 1060*	Recital Attendance (eight semesters) – (Pass or Fail)	0
MUS 1xxx	Applied Music–Individual Instruction in Piano or Organ	8
MUS 1xxx	Ensemble (appropriate)	4
MUS 1700	Accompanying	3
MUS 1180	Music Theory I	3
MUS 1185	Aural Skills I	1
MUS 1190	Music Theory II	3
MUS 1195	Aural Skills II	1
MUS 2180	Music Theory III	3
MUS 2185	Aural Skills III	1
MUS 2190	Music Theory IV	3
MUS 2195	Aural Skills IV	1

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<b>Upper Division Major Requirements</b>		<b>53</b>
MUS 3xxx	Applied Music–Individual Instruction in Piano or Organ	8
MUS 3xxx	Ensemble (appropriate)	3
MUS 3700	Accompanying	3
MUS 3950	Junior Recital	1
MUS 4950	Senior Recital	2
MUS 4280	Piano Pedagogy	3
MUS 4110	Music Analysis	3
MUS 4120	Music Analysis	3
MUS 3010	Music History	3
MUS 3020	Music History	3
MUS 3160	Introduction to Music Technology	3
MUS 3800	Basic Conducting (3 periods weekly)	2
MUS 4310	Survey of Piano Literature	3
MUS 4430	Chamber Music Literature	3
MUS 4280	Piano Pedagogy	3
MUS 4330 or 4350 or 4350 or 4460	Music before 1750 or Music from 1750 to 1900 or Music after 1900 or Music from Many Cultures	3
MUS 4340	Music from 1750-1900	3

### MUSIC (B.A., B.S.)

#### PERFORMANCE CONCENTRATION—VOCAL SPECIALIZATION

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>9</b>
MUS 1970* Introduction to Music Literature	3
*This course is required and may be used as a substitute for 3 hours in the humanities core.	
Intermediate Foreign Language (required for the B.A.)	6
<b>Lower Division Major Requirements</b>	<b>35</b>
MUS 1060* Recital Attendance (eight semesters) – (Pass or Fail)	0
MUS 1200 Applied Music–Individual Instruction in Voice	8
MUS 1xxx Ensemble (appropriate)	4
MUS 1940/3940 Opera Workshop	1
MUS 1100 or 1160/1170 Individual Instruction - Piano or Class Piano I	2
MUS 1180 Music Theory I	3
MUS 1185 Aural Skills I	1
MUS 1190 Music Theory II	3
MUS 1195 Aural Skills II	1
MUS 1940 Opera Workshop	1
MUS 2180 Music Theory III	3
MUS 2185 Aural Skills III	1

MUS 2190	Music Theory IV	3
MUS 2195	Aural Skills IV	1

**Upper Division Major Requirements 44**

MUS 3200	Applied Music–Individual Instruction in Voice	8
MUS 3xxx	Ensemble (appropriate)	4
MUS 4522	Italian Diction for Singers	1
MUS 4523	German Diction for Singers	1
MUS 4524	French Diction for Singers	1
MUS 3950	Junior Recital	1
MUS 4950	Senior Recital	2
MUS 4110	Music Analysis	3
MUS 4120	Music Analysis	3
MUS 3010	Music History	3
MUS 3020	Music History	3
MUS 3160	Introduction to Music Technology	3
MUS 3800	Basic Conducting (3 periods weekly)	2
MUS 3940	Opera Workshop	2
MUS 4270	Vocal Pedagogy	3
MUS 4370 or 4450	Art Song Literature or Opera Literature	3

**Credit Hours 23**

**MUSIC MINOR**

MUS 1180	Music Theory I	3
MUS 1185	Aural Skills I	1
MUS 1190	Music Theory II	3
MUS 1195	Aural Skills II	1
MUS 1970	Introduction to Music Literature	3
Appropriate ensemble		4
Applied Music–Individual Instruction		8

**WOMEN’S STUDIES MINOR**

**College of Arts & Letters**

Location: Harned Hall, 139

Phone: 931-221-6314

Women’s Studies explores human history, creativity, and society from the perspective of women’s experiences. It is designed to inform the student about women’s roles, experiences, and achievements in a variety of academic disciplines.

**Credit Hours 3**

**Lower Division Minor Requirements**

WS 2050	Women and Culture: Introduction to Women’s Studies	3
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**Upper Division Minor Requirements 6**

WS 4010	Capstone Seminar in Women’s Studies	3
*AAST Any 3-credit course with approval of Women’s Studies Coordinator		3

**Select from the following approved courses\*: 77**

AAST 3000	Africana Women Across Cultures	3
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BIOL 3200	Women and Science	2
CLAS 3520	Women in Antiquity	3
COMM 4450	Mass Media and Women	3
COMM 4470	Race, Gender, and Mass Media	3
ENGL 340F	Women Writers	3
ENGL340N	Gay and Lesbian Literature Across Cultures	3
ENGL 340W	Critical Studies in Women's Literature	3
ENGL 340R	Century's End: Race and Gender at the Turn of the Twentieth Century	3
HIST 4670	Women in American History	3
NURS 2000	Women's Health in Today's World	3
PM 3400	Women and Administration	3
POLS 4040	Women and Politics	3
POLS 4330	Women and the Law	3
POLS 4340	Family Law	3
PSY 3210	Psychology of Women	3
SOC 3010	Marriage and the Family	3
SOC 3080	Gender and Society	3
SOC 3800	Women and Social Change	3
SW 4020	Human Sexuality	3
THEA 4700	Topics in Women's Theatre	3
WS 300A	Selected Topics in Women's Studies	3
WS 300B	Selected Topics in Women's Studies	3
WS 300C	Selected Topics in Women's Studies	3
WS 3050	Women in the Arts	3
WS 3060	Vagina Monologues	3
WS 3070	Women and Film	3

\*Students are strongly advised to select courses from a variety of disciplines to ensure a broad spectrum of learning, and to seek advisement from the Women's Studies Coordinator.

\*Other courses as approved by the coordinator.

### ASIAN STUDIES MINOR

**College of Arts & Letters**

**College of Professional Programs and Social Sciences**

**College of Science and Mathematics**

See page 190.

# College of Professional Programs and Social Sciences

Location: Harned Hall, 144  
 Phone: 931-221-6380; Fax: 931-221-6382  
 e-mail: dentond@apsu.edu  
 Website: www.apsu.edu/ppss/

The College of Professional Programs and Social Sciences exists to prepare highly skilled professionals in human service areas vital to society, and to advance the scientific body of knowledge of human behavior and the dynamics of social change and progress.

DEPARTMENT	MAJOR	CONCENTRATIONS	TEACHER CREDENTIAL PREPARATION	DEGREE OFFERED
School of Business	General	Accounting		B.B.A.
		Business		B.B.A.
		General Business		B.B.A.
		Finance		B.B.A.
		Management		B.B.A.
		Marketing		B.B.A.
School of Education	Interdisciplinary Studies		Licensure K-8, 5-8	B.S.
	Special Education		Licensure K-12	B.S.
School of Nursing	Nursing		R.N. Licensure	B.S.N., M.S.N.
Health & Human Performance	Health		Licensure 7-12	B.S.
	Health & Human Performance		Licensure K-12	B.S.
Military Science			Commission 1	
Political Science	Political Science		Licensure 7-12	B.A., B.S.
		Legal Studies		B.A., B.S.
Psychology	Psychology		Licensure 7-1 2	B.A., B.S.
Social Work & Sociology	Social Work			B.S.
	Sociology		Licensure 7-12	B.S.

## **School of Business**

### **College of Professional Programs and Social Sciences**

Location: Kimbrough, 104

Phone: 931-221-7674

Website: [www.apsu.edu/business](http://www.apsu.edu/business)

### **VISION**

Our vision is to be recognized as the best School of Business in our region. We will assume a position of innovative leadership within the University through contributing to its continued success and growth.

### **MISSION**

To promote the continuous development of a learning environment, through excellent teaching and faculty research, which challenges students to push beyond the textbook, explore the limits of their capabilities and discover their individual passion.

### **STRATEGIC PROFILE**

The School of Business is a professional school within the College of Professional Programs and Social Sciences. The curriculum is intended to capitalize on students' firm grounding in liberal arts, as well as to establish a thorough understanding of the relationship between theory and practice within the business discipline. Programs of study are regularly reviewed in concert with a variety of constituents to explore the appropriateness and feasibility of new offerings. The research emphasis is primarily applied and instructional. Such efforts are expected to influence teaching. The School's commitment to service includes contributions to the disciplines, the University, and the community, and offering additional opportunities for enhanced instruction and applied research.

### **THE BACHELOR OF BUSINESS ADMINISTRATION**

The School of Business offers the Bachelor of Business Administration (B.B.A.) with concentrations in accounting, economics, general business, finance, international management, management, and marketing. Minors are recommended, but not required of business majors.

#### **CONCENTRATIONS:**

##### **The B.B.A. CONCENTRATIONS (18-27 hours)**

Accounting	(27 hours)
Economics	(18 hours)
Finance	(24 hours)
General Business	(21 hours)
International Management	(21 hours)
Management	(21 hours)
Marketing	(21 hours)

**GENERAL BUSINESS (B.B.A.)**

**ADMISSION REQUIREMENTS**

Students majoring in business will receive the Bachelor of Business Administration degree.

The admission requirements for the freshman and sophomore level (1000–2999) courses are the same as the University admission requirements. Freshmen students are assigned a business advisor.

Before enrolling in junior and senior (3000–4999) business courses, business majors must have earned junior standing (60 hours) with a minimum cumulative GPA of 2.1 and have completed ENGL 1010, 1020, MATH 1530, ACCT 2010, 2020, and ECON 2010, 2020. Any exception to these requirements must be approved by the Director of the School of Business. Students seeking exceptions must have their advisor’s approval before submitting the request to the Director. Transfer students must first meet with their advisor in business for a review of their transcript. Transfer credit from community or technical colleges and the associate degree programs at Fort Campbell is limited to the lower division courses. Selected business courses taken at the lower level, which are taught at the upper level at APSU, may be counted for upper level courses by passing a validation exam. For information on the validation exams, contact the Director. Substitution of a lower division course for an upper division course does not waive the required upper division hours.

Students enrolled in the B.B.A. program who plan to take courses at the Austin Peay Center @ Fort Campbell or at another institution for transfer credit to APSU must secure prior written approval from the School of Business and the Registrar on the Course Approval Form. These and all other forms for advising and registration, course substitution, or change in major may be obtained at the School of Business office, Kimbrough 104.

Non-business majors or students with a business minor must meet the specific course prerequisites which include junior standing (60 hours) for all 3000–4999 level business courses and may earn no more than 32 hours of credit offered by the School of Business. Students taking more than 32 hours must meet the upper division admission requirements of the B.B.A. program.

Students majoring in business will receive the Bachelor of Business Administration degree. Admission requirements for the B.B.A. program are listed on this page.

- Minimum 51 hours of coursework must be taken outside the School of Business;
- Minimum 39 upper division hours;
- Minimum 2.0 GPA in the following: cumulative GPA courses taken at APSU, courses in major, and courses in minor; and
- The ETS Field Test in Business taken during the last semester of the senior year.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirements</b>	<b>1</b>
<b>Specific School of Business Core Requirements</b>	<b>9</b>
MATH 1530      Elements of Statistics	3
ECON 2010      Principles of Macroeconomics	3
COMM 1010      Fundamentals of Public Speaking	3
<b>Lower Division Major Requirements</b>	<b>9</b>
ACCT 2010      Principles of Accounting I	3

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ACCT 2020	Principles of Accounting II	3
ECON 2020	Principles of Microeconomics	3

### Upper Division Major Requirements 30

BLAW 3300	Social, Legal, Political Environment of Business	3
DSCI 3410	Production Operations Management	3
DSCI 4500	Business and Economic Forecasting	3
FIN 3010	Principles of Finance	3
MGT 3010	Principles of Management and Organizational Behavior	3
MGT 4810	Strategic Management	3
MKT 3010	Principles of Marketing	3
MIS 4100	Management Information Systems	3
QM 3110	Statistics for Business and Economics	3

#### Select one from:

ACCT 3510	International Accounting	3
ECON 4610	International Economics	3
FIN 3510	International Finance	3
MGT 4110	International Management	3
MKT 3410	International Marketing	3

### Electives

See each concentration for list of courses: 12-21

Accounting	(12 hours)
Economics	(21 hours)
Finance	(15 hours)
General Business	(18 hours)
International Management	(18 hours)
Management	(18 hours)
Marketing	(18 hours)

## ACCOUNTING

### ACCOUNTING CONCENTRATION

The concentration in accounting is recommended for the student who is interested in a career as an auditor, tax accountant, cost or management accountant, or government/not for profit accountant. The accounting concentration is also of value to those who are interested in entering other fields of business, such as banking, office management, finance, and budgets and planning. No minor is required for the student completing this concentration.

### Admission Requirements

Accounting Concentration Requirements (120 Hours)

Students must earn 150 hours of college credit before taking the CPA Exam in Tennessee.

Students are encouraged to take 30 hours in Master of Science in Management to satisfy the 150 hour requirement.

### Credit Hours

General Education (see TBR Common Core)	41
University-Wide Freshman Seminar Requirements	1

**Specific School of Business Core Requirements 39**

**Upper Division Major Requirements 21**

ACCT 3010	Intermediate Accounting I	3
ACCT 3020	Intermediate Accounting II	3
ACCT 3110	Cost Accounting	3
ACCT 3210	Computer Applications in Accounting	3
ACCT 3710	Accounting Information Systems	3
ACCT 4210	Auditing	3
ACCT 4310	Income Tax Accounting I	3

**Electives 6**

*Select two from:*

ACCT 3100	Financial Statement Analysis and Valuation	3
ACCT 3410	Not-for-Profit Accounting	3
ACCT 3510	International Accounting	3
ACCT 4220	Auditing II	3
ACCT 4320	Income Tax Accounting II	3
ACCT 4610	Accounting Theory	3

**Electives 12**

In consultation with an advisor

**Credit Hours 21**

**ACCOUNTING MINOR**

ACCT 2010	Principles of Accounting I	3
ACCT 2020	Principles of Accounting II	3
ACCT 3010	Intermediate Accounting I	3
ACCT 3020	Intermediate Accounting II	3
Accounting electives approved by advisor		9

**DECISION SCIENCES MINOR (18 HOURS)**

The Decision Sciences Minor is designed to develop and document the quantitative and critical thinking skills of students from a wide variety of majors including Computer Science, Information Systems, Mathematics, Engineering Technology, the natural sciences, and Business.

**Credit Hours 18**

*Select one from:*

MATH 1530	Elements of Statistics	3
MATH 1810	Elements of Calculus	3
Math 1910	Calculus and Analytic Geometry	3

*Select one from:*

QM 3110	Statistics for Business and Economics	3
MATH 3250	Statistical Methods I	3

**Required Courses:**

DSCI 3410	Production Operations Management	3
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*Select three from:*

DSCI 3510	Managerial Dynamics and Simulation	3
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DSCI 3530	Statistical Quality Control	3
DSCI 4410	Operation Research	3
DSCI 4500	Business and Economic Forecasting	3
MATH 3260	Statistical Methods II	3
MATH 3270	Experimental Design	3
MATH 4450	Mathematical Models	3

Note: Some of the courses listed above may have prerequisites.

### ECONOMICS

#### ECONOMICS CONCENTRATION

The concentration in economics is recommended to the student interested in a career in many areas of business or government. It provides excellent undergraduate preparation for graduate study in law, business, and other areas. No minor is required, but students are encouraged to complete another concentration in business or complete a related minor outside of business.

#### Admission Requirements

Economics Concentration Requirements (120 Hours)

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific School of Business Core Requirements</b>	<b>39</b>
<b>Upper Division Major Requirements</b>	<b>6</b>
ECON 3010 Intermediate Microeconomics	3
ECON 3020 Intermediate Macroeconomics	3
<b>Major Electives</b>	<b>12</b>
In consultation with advisor any four (4) upper division elective courses in economics	12
<b>Electives</b>	<b>21</b>
<b>ECONOMICS MINOR</b>	<b>24</b>
ECON 2010 Principles of Macroeconomics	3
ECON 2020 Principles of Microeconomics	3
ECON 3010 Intermediate Microeconomics	3
ECON 3020 Intermediate Macroeconomics	3
ECON 3220 Managerial Economics	3
QM 3110 Statistics for Business and Economics	3
<b>Electives</b>	<b>6</b>
Upper division economics electives	

**FINANCE**

**FINANCE CONCENTRATION**

The concentration in finance is recommended to students interested in a career in banking or other financial institutions, brokerage, investment banking, financial or security analysis, or industry. It provides excellent undergraduate preparation for graduate study in business, economics, or finance. No minor is required.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific School of Business Core Requirements</b>	<b>39</b>
<b>Upper Division Major Requirements</b>	<b>24</b>
FIN 3310 Investments	3
FIN 4010 Managerial Finance	3
FIN 4210 Financial Markets and Institutions	3
FIN 4310 Security Analysis and Portfolio Theory	3
FIN 4400 Financial Policy	3
FIN 4410 Selecting Equity Investments	3
<i>Select two from:</i>	
ACCT 3000 Managerial Accounting	3
ACCT 3010 Intermediate Accounting I	3
ACCT 3110 Cost Accounting	3
ACCT 3710 Accounting Information System	3
ECON 3020 Intermediate Macroeconomics	3
ECON 3210 Money and Banking	3
ECON 4000 Issues in Free Enterprise	3
ECON 4610 International Economics	3
FIN 3610 Real Estate Principles	3
FIN 3620 Real Estate Finance	3
MGT 3610 Entrepreneurship	3
MGT 4000 Issues in Free Enterprise	3
MKT 3110 Principles of Marketing	3
MKT 3310 Sales Management	3
MKT 4000 Issues in Free Enterprise	3
<b>Electives</b>	<b>15</b>
In consultation with advisor	

**FINANCE MINOR**

	<b>Credit Hours</b>
<b>FINANCE MINOR</b>	<b>24</b>
ACCT 2010 Principles of Accounting I	3
ACCT 2020 Principles of Accounting II	3
ECON 2010 Principles of Macroeconomics	3
ECON 2020 Principles of Microeconomics	3
FIN 3010 Principles of Finance	3
FIN 3310 Investments	3
FIN 4010 or 4210 Managerial Finance or Financial Markets and Institutions	3
MATH 1530 Elements of Statistics	3

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### GENERAL BUSINESS

#### GENERAL BUSINESS CONCENTRATION

The General Business concentration is designed for students wanting a diversified rather than a specialized program in business. It offers significant flexibility in terms of instruction and breadth of opportunity. No minor is required of students completing this concentration. All students selecting the General Business concentration are required to complete:

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific School of Business Core Requirements</b>	<b>39</b>
<b>Upper Division Major Requirements</b>	<b>21</b>
ACCT 3000	Managerial Accounting 3
ACCT 3210	Computer Applications in Accounting 3
BLAW 3210 or 3220	Business Law I or Business Law II 3
ECON 3010 or 3020 or 3220	Intermediate Microeconomics or Intermediate or Managerial Economics 3
FIN 4010	Managerial Finance 3
MGT 3110 or 3210	Organization Behavior and Theory or Human Resource Management 3
MGT 3610 or MKT 3210	Entrepreneurship or Retailing Management 3
<b>Electives</b>	<b>18</b>
In consultation with advisor	

	<b>Credit Hours</b>
<b>GENERAL BUSINESS MINOR</b>	<b>18</b>
ACCT 2010	Principles of Accounting I 3
BLAW 3300	Social, Legal, and Political Environment of Business 3
ECON 2010	Principles of Macroeconomics 3
MGT 3010	Principles of Management & Organizational Behavior 3
MKT 3010	Principles of Marketing 3
FIN 3010 or	Principles of Finance or 3
MGT 3610 or MKT 3210	Entrepreneurship or Retailing Management

### INTERNATIONAL MANAGEMENT

#### INTERNATIONAL MANAGEMENT CONCENTRATION

The concentration in International Management is recommended to students interested in careers involving international travel and global commerce. As the world continues to resemble a global village through increased globalization and advances in global communications, transportation, manufacturing, finance, and marketing activities, multinational employment opportunities also expand. Employment options include placement with a multinational corporation (MNC), a domestic bank with international interests, the International Monetary Fund (IMF), the World Bank, the Peace Corps, the United Nations, or any number of other institutions with global interests and obligations. The International Management concentration also provides excellent undergraduate preparation for advanced

## College of Professional Programs & Social Sciences 137

graduate work in international business. No minor is required of students completing this concentration, although a minor in a foreign language and participation in an international internship or an international study abroad program is strongly encouraged.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific School of Business Core Requirements</b>	<b>39</b>
<b>Upper Division Major Requirements</b>	<b>21</b>
ACCT 3510      International Accounting	3
ECON 4610     International Economics	3
FIN 3510        International Finance	3
FIN 4210        Financial Markets and Institutions	3
MGT 4110       International Management	3
MKT 3410       International Marketing	3
<i>Select one from:</i>	
GB 3010         e-Commerce Basics I	3
MGT 3610       Entrepreneurship	3
MKT 3210       Retailing Management	3
<b>Electives</b>	<b>18</b>
In consultation with advisor	

## MANAGEMENT

### MANAGEMENT CONCENTRATION

Regardless of an individual's chosen career field, those who excel will eventually need to know and appreciate the principles and concepts of management. Business, government, and other types of organizations are constantly seeking responsible persons who can effectively manage human resources, develop organizational efficiency, and provide leadership for the attainment of organizational objectives. The management concentration is a distributive major concentration designed to develop the competence of students for careers in the management and administration of business and non-business organizations. No minor is required of students completing this concentration. All students selecting the management concentration are required to complete:

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific School of Business Core Requirements</b>	<b>39</b>
<b>Upper Division Major Requirements</b>	<b>21</b>
MGT 3110      Organization Behavior and Theory	3
MGT 3210      Human Resource Management	3
MGT 3610      Entrepreneurship	3
MGT 4010      The Evolution of Management Thought	3
MGT 4110      International Management	3

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*Select two from:*

ACCT 3000	Managerial Accounting	3
ECON 3010	Intermediate Microeconomics	3
ECON 3020	Intermediate Macroeconomics	3
ECON 4310	Labor Economics	3
DSCI 3510	Managerial Dynamics and Simulation	3
DSCI 3530	Statistical Quality Control	3
DSCI 4410	Operation Research	3
MKT 3310	Sales Management	3
MKT 3710	Applications in Business Mapping	3

### **Electives** **18**

In consultation with advisor

**Credit Hours**

### **MANAGEMENT MINOR**

**18**

ACCT 2010	Principles of Accounting I	3
ECON 2010	Principles of Macroeconomics	3
MGT 3010	Principles of Management & Organizational Behavior	3

### **Electives** **9**

Upper Division Management Electives

## **MARKETING**

### **MARKETING CONCENTRATION**

The primary purpose of this concentration is to help students understand the exchange process and the principles and practices which can provide greater efficiency in the movement of goods and services from the producer to the user. There are many attractive opportunities for students who acquire the training to do the job better and who can apply that training to the many marketing problems. No minor is required of students completing this concentration.

**Credit Hours**

**General Education (see TBR Common core)** **41**

**University-Wide Freshman Seminar Requirement** **1**

**Specific School of Business Core Requirements** **39**

**Upper Division Major Requirements** **21**

MKT 3210	Retailing Management	3
MKT 3510	Consumer and Market Behavior	3
MKT 4310	Advertising and Promotional Strategy	3
MKT 4450	Marketing Research	3
MKT 4800	Marketing Management	3

*Select two from:*

MKT 3110	Salesmanship	3
MKT 3310	Sales Management	3
MKT 3410	International Marketing	3
MKT 3710	Applications in Business Mapping	3
MKT 4150	Industrial Marketing	3
MKT 4200	Logistics	3

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### Electives

18

In consultation with advisor.

### MARKETING MINOR

Credit Hours

18

ACCT 2010	Principles of Accounting I	3
ECON 2010	Principles of Macroeconomics	3
MKT 3010	Principles of Marketing	3
MKT 3210	Retailing Management	3
MKT 4310	Advertising and Promotional Strategy	3
<i>Select one from:</i>		
MKT 3110	Salesmanship	3
MKT 3310	Sales Management	3
MKT 3410	International Marketing	3
MKT 3510	Consumer and Market Behavior	3
MKT 3710	Applications in Business Mapping	3
MKT 4000	Issues in Free Enterprise	3
MKT 4150	Industrial Marketing	3
MKT 4450	Marketing Research	3
MKT 4800	Marketing Management	3

### REAL ESTATE MINOR

Credit Hours

18

The Real Estate Minor is designed to serve the needs of students interested in preparing for careers within the real estate market and its related industries.

#### Required courses:

FIN 3610	Principles of Real Estate	3
FIN 3520	Real Estate Finance	3
FIN 3310	Investments	3
FIN 4210	Financial Markets and Institutions	3

#### Select two from:

ECON 3960	Urban Environments and Economics	3
MKT 3010	Principles of Marketing	3
MKT 3110*	Salesmanship	3
MKT 3710	Applications in Business Mapping	3
GB 3010	e-Commerce Basics I	3
BLAW 3210	Business Law I	3
FIN 3010	Principles of Finance	3

\*MKT 3010 is a prerequisite for MKT 3110.

### Special criteria for Finance Concentration students:

A student with a concentration in Finance wanting to add a real estate minor will be required to take at least two courses outside of the Finance Concentration requirements.

## School of Education

### College of Professional Programs and Social Sciences

Location: Claxton, 210

Phone: 931-221-7696

Website: [www.apsu.edu/educ/](http://www.apsu.edu/educ/)

### Vision and Mission of the APSU Teacher Education Unit

Consistent with the institutional vision and mission and with our heritage as an institution with a major commitment to quality teacher preparation, the vision of the teacher education unit at Austin Peay State University is to prepare highly qualified professionals who are knowledgeable and skilled in standards-based practice. Our goal is to prepare competent, reflective, and caring educators who, while working in collaboration with other professionals, will serve as change agents to foster development and learning in the lives of all learners. Our theme, "Preparing Professionals Through Standards-Based Practices" reflects our vision, mission, and goals, and supports reflective, data-informed planning for continuous improvement.

### Strategic Profile

The School of Education offers undergraduate and graduate programs with emphasis on professional preparation of teachers and other school personnel. The School of Education is divided into major instructional areas including Integrative Studies (elementary and middle graders), Special Education, and various secondary education and K-12 specialty fields. The Professional Education minor is required for all initial teacher licensure programs. Teacher licensure is available at undergraduate, post-baccalaureate, and graduate levels. Advanced graduate programs are also available in Educational Leadership Studies, Curriculum and Instruction (with specialization in special education, instructional technology, mathematics, and advanced studies), and Reading. Students should review their courses of study with the appropriate academic advisor.

### Accreditation

The professional education unit at Austin Peay State University is accredited by the National Council for the Accreditation of Teacher Education (NCATE) and all programs that lead to teaching licenses are approved by the Tennessee Department of Education. Consistent with NCATE and state standards and guidelines, a conceptual framework (Preparing Professionals through Standards-Based Practices) has been established. The professional education unit has adopted standards-based "program outcomes" for all programs of study. An electronic assessment system has been designed to collect and use candidate and unit performance data to improve our programs. Candidates in all programs of study will collect evidence of their knowledge, skills, and dispositions in a Live Text electronic portfolio.

### Program Information

**Undergraduate Major Programs:** The School of Education offers two majors: Integrative Studies (K-6; 4-8) and Special Education (K-12).

**Licensure Program:** Majors for licensure programs at the secondary level are offered in academic departments. Refer to specific disciplines in this Bulletin.

**Academic Requirements for Degree:** All students should be informed concerning general requirements for a baccalaureate degree and the specific Liberal Arts core courses that apply to teacher licensure as they differ from other degree programs.

**Online Correspondence Credit toward Licensure:** Correspondence and online credit for licensure is not acceptable without prior approval by the Director on the Coursework Approval Form available from the Office of the Registrar.

**Post-baccalaureate Licensure:** Holders of degrees from APSU or other universities who seek to complete a teacher education program post-baccalaureate are required to meet state and/or departmental requirements. (See the Office of Teacher Licensure in Claxton 206 for evaluation.) Some post-baccalaureate coursework may be applicable toward a graduate degree.

**Additional Requirements for Licensure in other States:** Students seeking licensure in Kentucky or other states should consult with their advisor and the Teacher Licensure Officer regarding additional requirements. For requirements in other states, the student should consult the respective state's Department of Education.

### Academic Major

The teacher candidate should follow the major or the teaching major in the academic department as listed in this Bulletin. Students should consult both their academic major and education advisors and meet requirements for admission to teacher education given below.

**NOTE:** Additional courses in the academic department may be required for the student seeking licensure.

### Admission Requirements

#### ADMISSION OF CANDIDATES TO THE TEACHER EDUCATION PROGRAM

Provisional admission to the program typically occurs at the end of the sophomore year. Application for admission is based upon a Milestone II performance review. Full admission to the program occurs in the semester prior to clinical teaching. Application for admission is through Live Text and is based upon Milestone III performance review. Contact the Teacher Licensure Office in Claxton 208 for details.

### Teacher Candidate Admissions Process

To complete the teacher education program and obtain a teaching license, students must progress through the four milestones described below:

#### Milestone I – Candidacy Status

- Completion of EDUC 2100/5500 or equivalent with “C” or better
- Minimum of 12 hours of undergraduate credit or 3 hours of graduate credit
- Minimum 2.5 GPA
- Acceptable level for knowledge and skills identified for Milestone I through approval of electronic portfolio (acceptable range: 50-75, no score of unacceptable on the assessment rubric)
- Evidence of Professional Dispositions\*
- Completion of security clearance by TBI/FBI.

#### Milestone II – Provisional Status

- Minimum 2.75 GPA
- Minimum of “C” in Professional Minor courses
- Acceptable level for knowledge and skills identified for Milestone II through approved of electronic portfolio (acceptable range: 50-75, no score of unacceptable on the assessment rubric)
- Evidence of Professional Dispositions\*

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- Minimum of 45 hours if undergraduate or 9 hours if graduate student
- Minimum Praxis I (PPST Reading—174; Writing—173; and Math—173 or ACT—22; SAT—1020) or GRE (Verbal—350 and Quantitative—350) for graduate students
- Successful interview (during EDUC 3070/5501)
- Completion of security clearance by TBI/FBI

### **Milestone III – Clinical Status**

- 2.75 GPA
- Minimum grade of “C” in all professional Education courses
- Successful completion of Praxis II “content” test (see list of testing requirements for specific tests on School of Education website)
- Completion of all courses required for licensure/degree
- Acceptable level for knowledge and skills identified for Milestone III through approval of electronic portfolio (acceptable range: 50-75, no score of unacceptable on the assessment rubric)
- Evidence of Professional Disposition\*
- Completion of security clearance by TBI/FBI

### **Milestone IV – Induction Status**

- Acceptable level for knowledge and skills identified for Milestone IV through approval of electronic portfolio (acceptable range: 75-100, no score of unacceptable or developing on the assessment rubric)
- Evidence of Professional Dispositions\*
- Passing Scores on all Praxis II license exams
- Successful completion of clinical placement seminars
- Passing grades in both clinical placements
- Completion of all licensure requirements
- Completion of security clearance by TBI/FBI

### **Appeal Process**

Candidates who do not meet one or more of the criteria for provisional or full admission to Teacher Education are permitted in some cases to request a waiver. The candidate should acquire an Appeals Form in the Office of Teacher Licensure (Claxton 206) and return it along with an official transcript to the Office of Teacher Licensure. The School of Education's Screening and Appeals Committee meets once or twice each semester. Candidates are notified by the Director of Teacher Education in writing of the committee's recommendation and his decision.

### **Future Changes in Teacher Education**

State Board of Education policy changes take precedence over the licensure programs in this Bulletin. Some of these changes and certain college-initiated changes may occur before this Bulletin is replaced with another edition. Education advisors will be able to provide information about current requirements. Such changes are posted on the School of Education website.

### **Preparation for Secondary School Teachers (Licensure for 7-12 OR K-12)**

This curriculum is designed for students who desire a degree in the arts or sciences with licensure to teach in the secondary school (grades 7-12) or to teach art, health and physical education, or music (grades K-12). All requirements for provisional and full admission to teacher education apply to these programs of study. Students must complete a General Education requirement, an appropriate major, and the Professional Education minor total-

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ing 120 hours or more. Students seeking licensure in 7-12 or K-12 programs must complete the General Education requirement for the B.A. or B.S. degree as designated in this Bulletin. Courses completed must satisfy required state licensure guidelines.

### Additional Teaching Endorsements

Contact the Licensure Office in Claxton 206 for specific requirements for add-on endorsements.

### EDUCATION (B.S.)

#### To Teach Grades K-6, 4-8, and Special Education (K-12)

This curriculum is designed for but not limited to students who are preparing to teach the elementary and middle grades. For those seeking licensure, the program consists of General Education core, a major in Integrative Studies and a minor in Professional Education, Student Teaching, and the accompanying Teaching Seminar. Program completers in teacher education at Austin Peay continue to perform at a high level on Praxis II licensure examinations.

#### Interdisciplinary Studies Major, K-6 (38 Hours)

Students successfully completing this program and required licensure examinations will be eligible to teach grades K-6 in Tennessee schools. Specific admissions criteria and curriculum requirements are available from advisors in the School of Education.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements for this major</b>	<b>23</b>
MATH 1530            Elements of Statistics	3
CHEM 1720 or PHYS1020	
Introduction to Chemistry and Physics	
or Understanding the Physical World	4
BIOL 1010 or 1020    General Biology or Diversity of Life	4
MUS 1030            Music Appreciation	3
HIST 1210            World History	3
ART 1030 or THEA 1030	
Art Appreciation or Theatre Appreciation	3
HHP 1250            Wellness Concepts and Practices	3
<b>Upper Division Major Requirements</b>	<b>35</b>
EDUC 3090            Elementary School Curriculum, Methods, and Philosophy	3
EDUC 4040            Teaching Social Studies: K-6	4
LING 4040 or 4050    English Grammer and Usage	
or Structure and Dialects of American English	3
MATH 4100            Mathematical Concepts Development	3
RDG 4010            Teaching the Language Arts: K-6	3
RDG 4020            Teaching Reading: K-3	3
RDG 4030            Literacy in the Upper Elementary Grades	3
SCI 4020            Teaching Science: K-6	4
SPED 4340            Effective Inclusion Strategies	3

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<b>Additional Requirements for Licensure and Graduation</b>	<b>3</b>
RDG 4050 Children's Literature	3

### **Interdisciplinary Studies Major, Middle Grades (42-44 Hours)** **Middle Grades 4-8**

Students electing this program will be licensed to teach grades 4-8 in Tennessee.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>23</b>
MATH 1420 Structure of Mathematical Systems	3
CHEM/PHYS 1710 or GEOL 1040 Introduction to Chemistry and Physics Physical Geology	4
BIOL 1010 or 1020 General Biology or Diversity of Life	4
MUS 1030 or 2030 Music Appreciation or World Music	3
GEOG 1010 or 1020 Physical Geography or Geography of the Developed World	3
POLS 2010 National Government	3
ART 1030 or THEA 1030 Art Appreciation or Theatre Appreciation	3
<b>Upper Division Major Requirements</b>	<b>26</b>
EDUC 4040 Teaching Social Studies: K-6	4
EDUC 4090 Middle Grades Strategies	3
MATH 4100 Mathematical Concepts Development	3
RDG 4010 Teaching the Language Arts: K-6	3
RDG 4030 Literacy in the Upper Elementary Grades	3
RDG 4060 Addressing Reading Difficulties	3
SCI 4020 Teaching Science: K-6	4
SPED 4340 Effective Inclusion Strategies	3

### **Cognate Areas for Interdisciplinary Studies Major** **Middle Grades 4-8**

Select one of the Cognate Areas listed below. Consultation with a School of Education advisor is strongly recommended. Courses taken to meet General Education requirements may not be counted as part of a cognate.

#### **Literacy/English (18 Hours)**

ENGL 3420 Adolescent Literature	3
LING 4040 Structure and Dialects of American English	3
RDG 4040 Content Reading	3
RDG 4890 Teaching Reading in Secondary School	3

*Select two from:*

LING 4050 English Grammar and Usage	3
ENGL 3010 American Literature I	3
ENGL 3020 American Literature II	3
ENGL 3100 British Literature I	3
ENGL 3130 British Literature II	3
ENGL 3310 Survey of Short Fiction	3

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### Mathematics (18 Hours)

MATH 4200	Middle Grades Mathematics Methods	3
MATH 4020	Geometry for Elementary School Teachers	3
MATH 4030	Problem Solving	3

*Select three from:*

MATH 1010	Math Thought and Process	3
MATH 1530	Elements of Statistics	3
MATH 1710	College Algebra	3
MATH 1730	Precalculus	4
MATH 1810	Elements of Calculus	3
MATH 1820	Elements of Calculus	3

### Science (16 Hours)

BIOL 1110	Principles of Biology	4
SCI 4030	Physical Science	4

*Select two from:*

BIOL 3060	Animal Diversity	4
BIOL 3070	Plant Diversity	4
BIOL 4050	Field Botany	4
BIOL 4080	General Ecology	4

\*Students choosing the science cognate must take GEOL option instead of BIOL in the core; others must take BIOL option in core. CHEM/PHYS 1710 is required of all Middle Grades students in core.

### Social Studies (18 Hours)

HIST 1210 or 1220	World History	3
GEOG 1020 or 1010	Geography of the Developed World or Physical Geography	3
GEOG 1030	Geography of the Developing World	3
POLS 2070	International Policy	3

*Select two from:*

ECON 2010	Principles of Macroeconomics	3
HIST 3300	Ancient Greece	3
HIST 3310	Ancient Rome	3
HIST 4500	The Colonial Era in America	3
HIST 4510	Era of the American Revolution	3
HIST 4520	The Early Republic	3

### Additional Requirements for Licensure and Graduation

First Aid/CPR Certification Required		3
MATH 1410	Structure of Mathematical Systems	3

### Special Education Major (42 Hours)

The Special Education major (K-12 Comprehensive and Modified) requires the Professional Education minor for students who seek teacher licensure. If teacher licensure is not desired, the minor must be chosen. Contact School of Education for availability of non-licensure program.

**General Education (see TBR Common Core)**

**41**

**University-Wide Freshman Seminar Requirement**

**1**

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### Specific General Education Requirements for this major **26**

HHP 1250	Wellness Concepts	3
MATH 1420	Structure of Mathematical Systems	3
CHEM/PHYS 1710	Introduction to Chemistry and Physics	4
BIOL 1010 or 1020	General Biology or Diversity of Life	4
MUS 1030 or 2030	Music Appreciation or World Music	3
GEOG 1010 or 1020	Physical Geography or Geography of the Developed World	3
HIST 1210 or POLS 2010	World History or National Government	3
ART 1030 or THEA 1030	Art Appreciation or Theatre Appreciation	3

### Upper Division Major Requirements **45**

SPED 3300	Characteristics of Mild/Moderate	3
SPED 3330	Characteristics of Severely Disabled	3
SPED 3340	Dev. Consultative Skills: Parents and Professionals	3
SPED 3350*	Diagnostic Assessment of Exceptional Students	3
SPED 3360	Characteristics of Gifted Education	3
SPED 4330	Behavior Management for Exceptional Students	3
SPED 4340	Effective Inclusion Strategies	3
SPED 4350	Teaching Severely/Multiple Disabled	3
SPED 4370	Career/Vocational Education	3
SPED 4390	Assistive Teaching in Special Education	3
MATH 4100	Mathematical Concepts Developmental	3
RDG 4020	Teaching Reading: K-3	3
RDG 4030	Literacy in the Upper Elementary Grades	3
RDG 4050	Children's Literature	3
RDG 4060	Addressing Literacy Difficulties	3

\*Substitutes for EDUC 4270 in Professional Education Minor

### Additional Requirements for Licensure and Graduation **3**

MATH 1410	Structure of Mathematical Systems	3
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### Professional Education Minor (23 Hours)

**(Required for licensure in all endorsement areas: K-6, 4-8, 7-12, and K-12)**

This minor leads to licensure for students seeking teacher licensure in all fields. Successful completion of this minor, successful completion of Clinical Practice (with seminar), and required licensure examinations leads to teaching licensure for grades K-6, 4-8, 5-8, 7-12, and K-12. Testing requirements, electronic portfolio development, and other prerequisites for provisional admission and full admission to Teacher Education will require consultation with an education advisor. For students not seeking licensure but a minor in Professional Education, contact the School of Education Director.

EDUC 2100	Foundations of Education	2
EDUC 3040	Instructional Technology	3
EDUC 3070	Instructional Strategies	3
EDUC 4080	Classroom Management	3
EDUC 4160	Teaching Diverse Students	3
EDUC 4270	Evaluation and Assessment	3

PSY 3130	Introduction to Educational Psychology	3
SPED 3000	Introduction to Special Education	3

**Other Licensure Options Through the School of Education**

In addition to the teacher licensure options noted above (K-6, 4-8, and Special Education), licensure is also available in the following secondary and K-12 specialty fields.

- Art (K-12)
- Biology (7-12)
- Chemistry (7-12)
- English (7-12)
- French, Spanish, German or Latin (7-12)
- Government (7-12)
- Health and Human Performance (K-12)
- History (7-12)
- History with Economics (7-12)
- History with Geography (7-12)
- History with Government (7-12)
- Mathematics (7-12)
- Music, Instrumental (K-12)
- Music, Vocal and General (K-12)
- Physics (7-12)
- Psychology (9-12)
- Sociology (9-12)
- Theatre (7-12)

Consult the individual academic departments for information about the majors that lead to these teaching licensures.

**Additional Requirements**

**Clinical Teaching**

All students seeking undergraduate certification are required to complete a full clinical semester (student teaching) at the appropriate levels (10 credit hours). Student teaching is taken concurrently with a seminar (2 credit hours). Student teaching is required for completion of the B.S. degree. Students will contact the Coordinator of Clinical Teaching Experiences for enrollment in appropriate student teaching courses. Full Admission Status must be attained for approval for student teaching. Portfolio development and taking required Praxis II specialty examinations are components of Full Admission status.

**Clinical Teaching and Seminar Courses**

	<b>Credit Hours</b>
EDUC 4410 Student Teaching: Grades K-3	5
EDUC 4510 Student Teaching: Grades 4-6	5
EDUC 4610 Student Teaching: Grades 7-8	5
EDUC 4710 Student Teaching: Grades 9-12	5

**PRAXIS II Licensure Examination**

All students seeking teacher licensure must complete PRAXIS II licensure examinations required by the State of Tennessee. Attaining minimum scores on required PRAXIS II specialty examinations prior to Full Admission to Teacher Education is strongly encouraged.

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For information about these requirements, please consult the Certification Office in the School of Education (Claxton 208). Tennessee Department of Education revisions of test score requirements supercede Bulletin criteria at matriculation.

### Portfolio Development and Presentation

All students seeking certification are required to develop a Live Text electronic portfolio that represents professional growth and development across the full program of study. The purchase and development of a Live Text electronic portfolio is required in all professional education and restricted enrollment courses in majors leading to licensure. The presentation of the electronic program portfolio is an essential element of the summative assessment activities conducted during the Teaching Seminar (EDUC 4950, 2 credits) and is a requirement of program completion and licensure.

### Non-Licensure Option

Students selecting the Integrative Studies major or Special Education major but not wishing to seek teacher licensure may select an approved University minor other than Professional Education Minor and clinical teaching. Course substitutions for clinical teaching and seminar must be preapproved by the Director of the School of Education.

## School of Nursing

### College of Professional Programs and Social Sciences

Location: McCord Building, 218

Phone: 931-221-7737

Website: [www.apsu.edu/nursing01](http://www.apsu.edu/nursing01)

### NURSING (B.S.N.)

The School of Nursing offers a pre-licensure undergraduate program, the completion of which results in educational eligibility for the graduate to write the Registered Nurse Licensure Examination for R.N. Licensure. Additionally, the School of Nursing offers an online post-licensure undergraduate program through which the licensed registered nurse may complete the requirements for the B.S.N. degree. A Graduate M.S.N. program is offered through the RODP that includes multiple tracts. Successful completions of mid-curricular and comprehensive exit exams are required for program progression and program completion. Students must review their course of studies with a designated School of Nursing Advisor each semester.

### ACCREDITATION

The B.S.N. Program is approved by the Tennessee Department of Health, Board of Nursing and accredited by the National League for Nursing Accrediting Commission (NLNAC). These organizations may be reached at:

Tennessee Board of Nursing  
227 French Landing Heritage Place  
Suite 300, Metro Center  
Nashville, TN 37243

National League for Nursing Accrediting Commission  
61 Broadway, 33rd Floor  
New York, NY 10006  
(212) 363-555 x153  
www.nlnac.org

## **ADDITIONAL ADMISSION REQUIREMENTS**

### **B.S.N. ADMISSION REQUIREMENTS**

(See [www.apsu/nursing01](http://www.apsu/nursing01) for latest admission criteria)

1. Nursing includes submission of a completed School of Nursing Application Form by the published deadline, and transcripts verifying all completed coursework and a grade of “C” or better in all nursing prerequisite courses.
2. Completed application for admission to the School of Nursing should be received by the School of Nursing no later than the published deadlines at [www.apsu.edu/nursing01](http://www.apsu.edu/nursing01) of the year prior to the targeted initiation of nursing courses. A completed application includes: Application to APSU with acceptance for regular admission;

### **General Information**

1. Admission to the University does not guarantee acceptance to the nursing program.
2. A limited number of students will be admitted each semester (Fall and Spring).
3. All pre-nursing core must be completed prior to starting nursing courses if conditionally accepted into the program.
4. If a conditionally accepted student fails to successfully complete all nursing core and prerequisite courses with a “C” or better the student will not be permitted to begin nursing courses. Students will be required to reapply to the School of Nursing.
5. Admission to the School of Nursing is done holistically and takes into account multiple factors such as: ethnicity, geographic location, gender, etc.

### **In order to apply the student must:**

1. Be admitted to Austin Peay State University by the School of Nursing application deadline.
2. Complete and submit the School of Nursing application by the application deadline, Only completed applications will be considered for admission.
3. Have completed at least 30 hours with no grades lower than a “C” in nursing prerequisites and APSU general education requirements. These hours must include:
  - a. 8 hours of science from BIOL 2010, 2020, and/or 2300 plus labs
  - b. 6 hours nursing prerequisites from PSY 1010, 3100, SOC 2010, and/or MATH 1530
  - c. 16 hours of APSU core from ENG 1010, 1020, 2300, HIST 2010, 2020, Humanities 6 hours, and/or COMM 1010
  - d. APSU 1000 (not required for transfer students with more than 12 hours)
4. Have a documented plan for completion of remaining core and prerequisite courses prior to starting nursing courses.
5. Have completed all prerequisite Biology courses within seven (7) years of the time of application.
6. Have cleared any high school deficiencies.
7. Meet core performance and professional (technical) standards.

### **Further admission requirements (for ranking of applicant pool) that students must have:**

1. A minimum calculated GPA of 3.0 on a 4.0 scale based on grades received in APSU general education requirements and nursing prerequisites.

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- a. Consideration is given to students who have a calculated GPA greater than 3.0 and/or who have completed all core and prerequisite courses at Austin Peay.
- b. If a student attempts a course more than once, the grades from every attempt will be used to calculate the admission GPA.
2. Completed the required standardized nursing entrance examination by the School of Nursing application deadline. The required examination may be taken once per application period.
  - a. The fee-based examination must be taken on campus at APSU unless there are extenuating circumstances recognized by the School of Nursing Admission and Retention Committee.

### Following acceptance into the B.S.N. program, students must:

1. Provide evidence of liability and health insurance. Evidence of physical and/or mental health may be required following admission or at any time during the program;
2. Provide verification of a negative report of a two-step tuberculin skin test dated no more than two months prior to enrollment in nursing courses (a negative chest X-ray will be required in the context of a positive tuberculin skin test), proof of immunity to rubella, varicella, rubeola, and Hepatitis B series and a tetanus booster within the last 10 years;
3. Provide verification of current certification in Basic Cardiac Life Support (CPS), comparable to the Health Care Provider Course of the American Heart Association; and,
4. Comply with criminal background checks and drug screening as required for eligibility to access entrance into specific clinical agencies as related to clinical course objectives.

Pending review by the Tennessee Board of Nursing, persons who have been convicted of a crime other than a minor traffic violation could be ineligible for Registered Nurse Licensure in the State of Tennessee, even though they have successfully completed the program.

### B.S.N. COMPLETION PROGRAM ADMISSION REQUIREMENTS

Application and admission requirements to the R.N.-B.S.N. track are the same as for the basic program. In addition, authorization to practice as a registered nurse either by licensure or board authorization must be documented prior to initiation of any clinical course. Upper division credit status must be determined by the R.N.-B.S.N. Coordinator or School of Nursing Director at the time of initial application for specified nursing courses. To receive escrow transfer credit for lower division nursing courses, students must submit verification of graduation from an NLNAC accredited program.

Students not graduating from an NLNAC or CCNE accredited program must take approved College Examinations or courses as specifically advised by the R.N.-B.S.N. Coordinator or School of Nursing Director.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
 <b>Lower Division General Education Requirements</b>	
ENGL 1010      English Composition I	3
ENGL 1020      English Composition II	3
 <b>Humanities</b> <i>(six hours must be combined from two different disciplines)</i>	
COMM 1010      Fundamentals of Public Speaking	3
HIST 2010      American History I	3
HIST 2020      American History II	3

**Lower Division Major Prerequisite Requirements**

BIOL 2010/2011	Human Anatomy and Physiology I (and lab)	4
BIOL 2020/2021	Human Anatomy and Physiology II (and lab)	4
BIOL 2300/2301	Principles of Microbiology (and lab)	4
PSY 1010	General Psychology	3
PSY 3100	Developmental Psychology	3
SOC 2010	Introduction to Sociology	3
Math 1530	Elements of Statistics	3

**Upper Division Major Requirements (B.S.N.)**

NURS 2010	Concepts of Self-care	3
NURS 2020, 2021	Assessment of Self-care Requisites	2,1
NURS 2030, 2031	Introduction to Nursing Agency	4,4
NURS 2040	Pharmacology for Self-care	1
NURS 3020	Psychopharmacology	1
NURS 3060, 3061	Nursing Sys Related to Mental Health	4,4
NURS 3070, 3071	Nursing Sys Related to Adult Health	4,4
NURS 3080	Life-Span Pharmacology	2
NURS 3100	Clinical Integration I	1
NURS 3210	Introduction of Research for the Nursing Agency	3
NURS 3220	Child Health Promotion	2
NURS 4040, 4041	Nursing Sys Related to Childbearing Family	3,3
NURS 4050, 4051	Nursing Agency in the Community	3,3
NURS 4060, 4061	Nursing Sys Related to Adults II	4,4
NURS 4070, 4071	Leadership and Management for the Nursing Agency	3,3
NURS 4080	Trends and Issues for the Nursing Agency	2
NURS 4100	Clinical Integration II	1

**Upper Division Major Requirements for R.N.-B.S.N.**

NURS 3010	Concepts of Self-care	3
NURS 3120, 3121	Assessment of Self-care Requisites	3,1
NURS 3150	Nursing Informatics	1
NURS 3180	Pharmacology of Self-care	2
NURS 4010	Introduction of Research for the Nursing Agency	3
NURS 4050, 4051	Nursing Agency in the Community	3,3
NURS 4070, 4071	Leadership and Management for the Nursing Agency	3,3
NURS 4080	Trends and Issues for the Nursing Agency	2
NURS 4120	Clinical Integration	2

**Department of Health and Human Performance**

**College of Professional Programs and Social Sciences**

Location: Dunn Center, 268

Phone: 931-221-6111

Website: [www.apsu.edu/hhp/](http://www.apsu.edu/hhp/)

**HEALTH AND HUMAN PERFORMANCE (B.S.)**

The Department of Health and Human Performance offers majors in Health and in Health and Human Performance. Specializations are offered in health, health-care management, wellness promotion, K-12 health and physical education licensure, and health licensure and health and human performance non-teaching. A minor is available in Health, in Physical Education, and in Health Sciences. Add-on endorsements are available in health and in physical education.

All students completing a major in Health and Human Performance must take the University Senior Exit Exam and the HHP Senior Exit Exam during the last semester of study at the University.

**HEALTH DISTRIBUTIVE MAJOR:  
WELLNESS PROMOTION SPECIALIZATION**

The wellness promotion specialization provides students the opportunity to prepare for fitness positions in hospitals, retirement centers, corporate wellness centers, YMCA settings, community recreation programs, and private fitness centers.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>7</b>
BIOL 2010/2011 Human Anatomy and Physiology	4
HHP 1250 Wellness Concepts and Practices	3
<b>Lower Division Major Requirements</b>	<b>15</b>
ACCT 2010 Principles of Accounting	3
HHP 2000 First Aid, CPR, and Safety	3
HHP 2010 Technology Applications	3
HHP 2050 Community and Environmental Health	3
PHED 1190 Aerobic Dance	1
PHED 1210 Weight Training	1
PHED 1310 Physical Fitness	1
<b>Upper Division Major Requirements</b>	<b>54</b>
HHP 3000 Health Care Management	3
HHP 3030 Nutrition–Science and Application	3
HHP 3300 Anatomical Kinesiology	3
HHP 4000 Introduction to Gerontology	3
HHP 4050 Current Concepts in Wellness Promotion	3
HHP 4060 Consumer Health	3
HHP 4070 Introduction to Disease	3
HHP 4150 Fitness Assessment and Exercise Prescription	3
HHP 4210 Measurement and Evaluation Physical Education	3

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HHP 4220	Analysis of Movement	3
HHP 4250	Physiology of Exercise	3
HHP 4300	Introduction to Stress Management	3
HHP 4990	Internship in Health	12
MKT 3010	Principles of Marketing	3
PHIL 2300	Medical Ethics	3

### **Electives** **9**

Any courses in the University curriculum

### **HEALTH AND HUMAN PERFORMANCE TEACHING MAJOR – GRADES K-12**

The health and human performance licensure major provides students the opportunity to prepare for teaching health and physical education and/or coaching in grades K-12. The program meets all Tennessee and NCATE guidelines.

		<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>		<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>		<b>1</b>
<b>Specific General Education Requirements</b>		<b>7</b>
BIOL 2010/2011	Human Anatomy and Physiology (and lab)	4
HHP 1250	Wellness Concepts and Practices	3
HHP 2010 & HHP 4210 substitute for EDUC 3040 and EDUC 4270 respectively		
<b>Lower Division Major Requirements</b>		<b>15</b>
HHP 2010	Technology Applications	3
HHP 2030	Youth and Adolescent Health	3
HHP 2050	Community and Environmental Health	3
HHP 2120	Rhythmic Movement and Education Gymnastics	3
HHP 2240	Introduction to Physical Education	3
<b>Upper Division Major Requirements</b>		<b>36</b>
HHP 3010	Adapted Physical Education	3
HHP 3030	Nutrition–Science and Application	3
HHP 3110	Substance Use and Abuse	3
HHP 3150	Teaching Individual, Dual, and Team Sport	3
HHP 3210	Methods and Materials in Phys. Ed. Elem. Students	3
HHP 3400	Comp. and Coordinated School Health Program	3
HHP 4060	Consumer Health	3
HHP 4210	Measurement and Evaluation Physical Education	3
HHP 4220	Analysis of Movement	3
HHP 4240	Introduction to Motor Learning	3
HHP 4250	Physiology of Exercises	3
HHP 4400	Teaching HHP	3
<b>Electives</b>		
Any courses in the University curriculum		<b>2</b>

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### PROFESSIONAL EDUCATION MINOR

Credit Hours  
23

Required for licensure in all endorsement areas:  
K-6, 4-8, 7-12, and K-12

Successful completion of this minor, successful completion of Clinical Practice (with seminar), and Tennessee-mandated licensure examinations leads to teaching licensure for grades K-6, 4-8, 5-8, 7-12, and K-12. Testing requirements, electronic portfolio development, and other prerequisites for provisional admission and full admission to Teacher Education will require consultation with an education advisor. For students not seeking licensure but a minor in Professional Education, contact the School of Education Director.

EDUC 2100	Foundations of Education	2
EDUC 3040	Instructional Technology	3
EDUC 3070	Instructional Strategies	3
EDUC 4080	Classroom Management	3
EDUC 4160	Teaching Diverse Students	3
EDUC 4270	Evaluation and Assessment	3
PSY 3130	Introduction to Educational Psychology	3
SPED 3000	Introduction to Special Education	3

### Additional Certification Requirements for Student Teaching 12

All students seeking certification are required to complete 12 hours of student teaching at the appropriate level.

EDUC 4410	Student Teaching: Grades K-3	5
EDUC 4510	Student Teaching: Grades 4-6	5
EDUC 4610	Student Teaching: Grades 7-8	5
EDUC 4710	Student Teaching: Grades 9-12	5
EDUC 4950	Teaching Seminar	2

### HEALTH TEACHING MAJOR, GRADES 7-12

The health teaching major provides opportunity for students to prepare for teaching positions in public and private schools. The program meets Tennessee and NCATE guidelines.

Credit Hours

**General Education (see TBR Common Core) 41**

**University-Wide Freshman Seminar Requirement 1**

**Specific General Education Requirements 7**

BIOL 2010/2011	Human Anatomy and Physiology	4
HHP 1250	Wellness Concepts and Practices	3

**Lower Division Major Requirements 12**

HHP 2000	First Aid, CPR, and Safety	3
HHP 2010	Technology Applications	3
HHP 2030	Youth and Adolescent Health	3
HHP 2050	Community and Environmental Health	3

**Upper Division Major Requirements 36**

HHP 3030	Nutrition-Science and Application	3
HHP 3110	Substance Use and Abuse	3
HHP 3210	Methods and Materials in Phys. Ed. Elem. Students	3
HHP 3400	Comp. and Coordinated School Health Program	3

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HHP 4050	Current Concepts Wellness Promotion	3
HHP 4060	Consumer Health	3
HHP 4070	Introduction to Disease	3
HHP 4210	Measurement and Evaluation Physical Education	3
HHP 4300	Introduction to Stress Management	3
HHP 4400	Teaching HHP	3
HHP 4500	Epidemiology	3

### **Electives** **2**

Any courses in the University curriculum

### **PROFESSIONAL EDUCATION MINOR**

**Credit Hours**  
**23**

#### **Required for licensure in all endorsement areas: K-6, 4-8, 7-12, and K-12**

Successful completion of this minor, successful completion of Clinical Practice (with seminar), and Tennessee-mandated licensure examinations leads to teaching licensure for grades K-6, 4-8, 5-8, 7-12, and K-12. Testing requirements, electronic portfolio development, and other prerequisites for provisional admission and full admission to Teacher Education will require consultation with an education advisor. For students not seeking licensure but a minor in Professional Education, contact the School of Education Director.

EDUC 2100	Foundations of Education	2
EDUC 3040	Instructional Technology	3
EDUC 3070	Instructional Strategies	3
EDUC 4080	Classroom Management	3
EDUC 4160	Teaching Diverse Students	3
EDUC 4270	Evaluation and Assessment	3
PSY 3130	Introduction to Educational Psychology	3
SPED 3000	Introduction to Special Education	3

### **Additional Certification Requirements for Student Teaching** **12**

All students seeking certification are required to complete 12 hours of student teaching at the appropriate level.

EDUC 4610	Student Teaching: Grades 7-8	5
EDUC 4710	Student Teaching: Grades 9-12	5
EDUC 4950	Teaching Seminar	2

### **HEALTH CARE MANAGEMENT SPECIALIZATION DISTRIBUTIVE MAJOR**

The interdisciplinary health care management specialization provides students the opportunity to prepare for employment as a manager in a variety of health and human service organization settings both in the private and public sectors, including medical centers and systems; health departments at the local, regional, and state levels; home health-care agencies; health maintenance organizations; and insurance companies, hospitals, surgical care centers, assisted living centers, nursing homes, physician group practices, and volunteer organizations.

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	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>7</b>
BIOL 1010/1011 Principles of Life or Human Anatomy and Physiology or BIOL 2010/2011 Human Anatomy and Physiology	4
HHP 1250 Wellness Concepts and Practices	3
<b>Lower Division Major Requirements</b>	<b>18</b>
ACCT 2010 Principles of Accounting	3
HHP 2000 First Aid, CPR, and Safety	3
HHP 2010 Technology Applications	3
HHP 2050 Community and Environmental Health	3
PSY 2010 Statistics for the Behavioral Science	3
PHIL 2300 Medical Ethics	3
<b>Upper Division Major Requirements</b>	<b>48</b>
HHP 3000 Health Care Management	3
HHP 3030 Nutrition–Science and Application	3
HHP 4000 Introduction to Gerontology	3
HHP 4060 Consumer Health	3
HHP 4070 Introduction to Disease	3
HHP 4500 Epidemiology	3
HHP 4600 Public Health Law	3
HHP 4990 Internship in Health	12
MGT 3210 Human Resource Management	3
MKT 3010 Principles of Marketing	3
PSY 4060 Group Dynamics	3
PSY 4500 Psychology Applied to Work	3
SOC 3700 Medical Sociology	3
<b>Electives</b>	<b>12</b>
Any courses in the University curriculum	

### HEALTH MAJOR: HEALTH SPECIALIZATION

The health specialization provides students the opportunity to prepare for entry level health educator or health facilitator positions in hospital settings, state, regional, or local health departments, home health-care agencies, health maintenance organizations, nursing homes, surgical care centers, insurance companies, physician groups, and voluntary health agencies. A minor is required.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>7</b>
BIOL 1010/1011 Principles of Life or BIOL 2010/2011 or Human Anatomy and Physiology	4
HHP 1250 Wellness Concepts and Practices	3

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### Lower Division Major Requirements 9

HHP 2000	First Aid, CPR, and Safety	3
HHP 2030	Youth and Adolescent Health	3
HHP 2050	Community and Environmental Health	3

### Upper Division Major Requirements 30

HHP 3030	Nutrition–Science and Application	3
HHP 4000	Introduction to Gerontology	3
HHP 4060	Consumer Health	3
HHP 4070	Introduction to Disease	3
HHP 4300	Introduction to Stress Management	3
HHP 4500	Epidemiology	3
HHP 4990	Internship in Health	12

### Electives 21

Any courses in the University curriculum

### Minor 18

## HEALTH AND HUMAN PERFORMANCE NON-TEACHING MAJOR

The health and human performance non-licensure major provides students the opportunity to prepare for positions in recreational settings such as local and state parks, recreation centers, athletic clubs, military associated recreational positions, YMCA settings, and select private schools. A minor is required.

### Credit Hours

**General Education (see TBR Common Core) 41**

**University-Wide Freshman Seminar Requirement 1**

### Specific General Education Requirements

BIOL 2010/2011	Human Anatomy and Physiology	4
HHP 1250	Wellness Concepts and Practices	3

### Lower Division Major Requirements 15

HHP 2000	First Aid, CPR, and Safety	3
HHP 2010	Technology Applications	3
HHP 2030	Youth and Adolescent Health	3
HHP 2120	Rhythmic Movement and Educational Gymnastics	3
HHP 2240	Introduction to Physical Education	3

### Upper Division Major Requirements 42

HHP 3010	Adapted Physical Education	3
HHP 3030	Nutrition–Science and Application	3
HHP 3110	Substance Use and Abuse	3
HHP 3150	Teaching Individual, Dual, and Team Sport	3
HHP 3190	Rhythms, Plays, and Games	3
HHP 4040	Sport Psychology	3
HHP 4210	Measurement and Evaluation Physical Education	3
HHP 4220	Analysis of Movement	3
HHP 4240	Introduction to Motor Learning	3
HHP 4250	Physiology of Exercise	3
HHP 4990	Internship in Health	12

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### Electives

3

Any courses in the University curriculum

### Minor

18

#### PHYSICAL EDUCATION MINOR

The physical education minor provides students who have selected a major within or outside the department the opportunity to complement their primary area of study.

<b>Specific Requirements for this minor</b>		<b>Credit Hours</b>
		<b>18</b>
HHP 2120	Rhythmic Movement and Education Gymnastics	3
HHP 2240	Introduction to Physical Education	3
HHP 3150	Teaching Individual, Dual, and Team Sport	3
HHP 4040	Sport Psychology	3
<i>Select two from:</i>		
HHP 1250	Wellness Concepts and Practices	3
HHP 2000	First Aid, CPR, and Safety	3
HHP 3010	Adapted Physical Education	3
HHP 3190	Rhythms, Plays, and Games	3
HHP 3300	Anatomical Kinesiology	3
HHP 4210	Measurement and Evaluation of Physical Education	3
HHP 4240	Introduction to Motor Learning	3

#### HEALTH MINOR

The health minor provides students who have selected a major within or outside the department the opportunity to complement their primary area of study.

<b>Specific Requirements for this minor</b>		<b>Credit Hours</b>
		<b>18</b>
HHP 1250	Wellness Concepts and Practices	3
HHP 2050	Community and Environmental Health	3
HHP 4060	Consumer Health	3
<i>Select three from:</i>		
HHP 2000	First Aid, CPR, and Safety	3
HHP 2030	Youth and Adolescent Health	3
HHP 3030	Nutrition–Science and Application	3
HHP 3110	Substance Use and Abuse	3
HHP 3190	Rhythms, Plays, and Games	3
HHP 3300	Anatomical Kinesiology	3
HHP 4000	Introduction to Gerontology	3
HHP 4030	Living, Dying, Grieving	3
HHP 4050	Current Concepts in Wellness Promotion	3
HHP 4080	Psychological Aspects of Human Sexuality	3
HHP 4300	Introduction to Stress Management	3
HHP 4500	Epidemiology	3

**HEALTH SCIENCE MINOR**

The health science minor is designed for students who are interested in pre-physical therapy programs.

<b>Specific Requirements for this minor</b>		<b>Credit Hours</b>
		<b>19</b>
HHP 4040	Sport Psychology	3
HHP 4220	Analysis of Movement	3
HHP 4250	Physiology of Exercise	3
PHYS 2010	College Physics	5
PHYS 2002	College Physics	5

**HEALTH ADD-ON ENDORSEMENT**

The additional teaching endorsement in health provides students who have earned licensure in a particular subject to diversify themselves for career opportunities. Student teaching may or may not be required. Successful passing of the Health Education (0550) Praxis examination is required.

**PHYSICAL EDUCATION ADD-ON ENDORSEMENT**

The additional teaching endorsement in physical education provides students who have earned licensure in a particular subject to diversify themselves for career opportunities. Student teaching may or may not be required. Successful passing of the Physical Education: Content Knowledge Test (091) and Physical Education: Movement Forms-Analysis and Design (092) Praxis examinations are required.

**International Studies Minor (21-24 HOURS)****College of Professional Programs and Social Sciences**

Location: Clement, 150

Phone: 931-221-6424

Website: [www.apsu.edu/iec/ism.htm](http://www.apsu.edu/iec/ism.htm)

The minor is designed to enable students to be better prepared for positions with government, business, or industry with international connections. It strives to develop foreign language skills; helps to provide opportunities for students to study abroad; and seeks to promote international understanding.

	<b>Credit Hours</b>
<b>University-Wide Freshman Seminar Requirements</b>	<b>1</b>
<b>Additional Minor Requirements</b>	<b>3-6</b>

**FOREIGN EXPERIENCE**

Three to six semester hours of study abroad are required for the international studies minor. These hours are applied to study taken outside the United States and must receive prior approval as a part of the minor by the coordinator of the International Studies program. Examples follow:

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<b>Study Abroad in German Speaking Countries</b>		<b>6-8</b>
GERM 3040	Study Abroad in German Speaking Countries	6-8
<b>Cooperative Center for Study Abroad: CCSA</b>		<b>3-6</b>
CCSA courses	Courses are offered in English speaking countries: e.g. England, Scotland, Ireland, Australia, etc.	
<b>Study Abroad in Germany and France</b>		<b>3-6</b>
HIST 4910	History Abroad	3-6
<b>Study Abroad in Greece</b>		<b>7</b>
GRK 1110	Elementary Modern Greek	4
GRK 3400	Greek Art and Archaeology	3
<b>Study Abroad in Quebec, Canada</b>		<b>6-8</b>
FREN 3040	Study Abroad in Quebec	6-8
<b>Study Abroad in Spain</b>		<b>12-16</b>
SPAN 3040	Study Abroad Program in Spanish	6-8
SPAN 304B	Study Abroad–Spain	6-8
<b>Exchange Program with the Université d'Orléans, France</b>		<b>12</b>
FREN 3050	Semester Study in France	12
<b>Exchange Program with Mid-Sweden University, Sweden</b>		<b>12-18</b>
Semester study at Mid-Sweden University. Courses are taught in English and Swedish.		
<b>Lower Division Minor Requirement</b>		<b>3</b>
INTS 2000	Introduction to International Studies Minor	3
or		
POLS 2070	International Politics	3
<b>CONCENTRATION: MAJOR AREA</b>		<b>15</b>
<i>Select five courses from a minimum of three different disciplines:</i>		
AAST 3000	African Women Across Cultures	3
COMM 309A	International Communication: Broadcast Media	3
COMM 309B	International Communication: Corporate Communication	3
COMM 309C	International Communication: Print and Web Journalism	3
COMM 309D	International Communication: Media Technologies	3
COMM 309E	International Communication: Public Relations	3
ECON 4410	Evolution of Economic Thought	3
ECON 4610	International Economics	3
FIN 3510	International Finance	3
FREN 3220	Phonetic and Conversation in French	3
FREN 3320	French Civilization	3
FREN 3330	Quebec Literature and Culture	3
FREN 3410	Business French	3
GEOG 1020	Geography of Europe, the Americas, and Australia	3
GEOG 1030	Geography of Africa, Asia, and Oceania	3
GEOG 3110	Geography of the United States and Canada	3

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GEOG 3750	Geography of the African World	3
GERM 3220	Phonetics and Conversation in German	3
GERM 3410	Business German	3
GERM 3520	German Civilization, Culture, Geography II	3
HIST 3360	Modern Europe, 1919-present	3
HIST 3410	Modern Germany	3
HIST 3450	Africa Since 1800	3
HIST 3470	Modern Latin America	3
HIST 3520	A History of Modern China	3
HIST 3620	Modern Japan	3
HIST 3760	A History of the Modern Middle East	3
HIST 3820	A History of Modern Korea	3
HIST 4730	U.S. Foreign Relations Since 1890	3
MGT 4110	International Management	3
MKT 3410	International Marketing	3
MUS 2030	World Music	3
PHIL 2200	Religion and the World	3
PHIL 380A	Composite World Religions	3
PHIL 380B	Islam as a Worldview	3
POLS 2070	International Politics	3
POLS 3010	Comparative Politics	3
POLS 3020	American Foreign Policy	3
POLS 3070	Theories of International Relations	3
POLS 3110	British Politics and Government	3
POLS 3120	European Politics	3
POLS 3140	Latin American Politics	3
POLS 3160	African Politics	3
POLS 4170	Power, Mortality, and International Relations	3
SOC 2500	Cultural Anthropology	3
SOC 3050	Race Relations and Minority Peoples	3
SOC 3070	Families Across Cultures	3
SOC 3750	Population and Society	3
SOC 3800	Women and Social Change	3
SPAN 3520	Spanish Civilization (II)	3
SPAN 3620	Spanish-American Civilization (II)	3
SPAN 3220	Phonetics and Conversation in Spanish	3
SPAN 3410	Business Spanish	3

## Military Science and Leadership

### College of Professional Studies and Social Sciences

Location: Memorial Health Building

Phone: 931-221-6155

Website: [www.apsu.edu/rotc/](http://www.apsu.edu/rotc/)

### ARMY RESERVE OFFICER TRAINING CORPS (ROTC)

The Senior ROTC Program at APSU is an elective set of courses resulting in a Military Science minor and commission as an Army officer. Enrollment in freshman or sophomore

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courses does not obligate the student in any way to military service. The program emphasizes instruction in the development of leadership skills and managerial abilities. It provides qualified men and women who desire to serve their country the opportunity to do so as officers in the United States Army, Army Reserve, or National Guard. Scholarships are available, especially for nursing students. All classes and leadership labs are offered at APSU.

### PROGRAM INFORMATION

The ROTC program is divided into the Basic Course (freshman and sophomore years) and the Advanced Course (junior and senior years). There is no military obligation incurred for enrollment in the Basic Course. After completing the Basic Course, qualified students can enroll in the Advanced Course. Students can also qualify for the Advanced Course if they have completed basic training and advanced individual training in any military branch or attended LTC. Training, uniforms, and books are paid for through the ROTC program.

### IN-COLLEGE SCHOLARSHIPS

Tuition scholarships are available to qualified students. Selection is based upon performance to date, SAT and ACT scores, extracurricular activities, and leadership potential. For more information about Army ROTC, contact the Military Science Department at 931-221-6156 or via email at <http://www.apsu.edu/rotc/>.

### MILITARY SCIENCE CURRICULUM

		<b>Credit Hours</b>
<b>Basic Course</b>		
<i>Freshman Year</i>		
MSL 1010	Leadership and Management Skills I	2
MSL 1020	Leadership and Management Skills II	2
<i>Sophomore Year</i>		
MSL 2010	Introduction to Tactical Skills I	2
MSL 2020	Introduction to Tactical Skills II	2
<b>Advanced Course</b>		
<i>Junior Year</i>		
MSL 3010	Tactical Leadership I	3
MSL 3020	Tactical Leadership II	3
MSL 3040	Leadership Development and Assessment Course	4
<i>Senior Year</i>		
MSL 4010	Advanced Military Skills I	3
MSL 4020	Advanced Military Skills II	3

### MILITARY SCIENCE AND LEADERSHIP MINORS

1. Four-Year Program: MSL 1010, 1020, 2010, 2020, 3010, 3020, 3040, 4010, 4020, and HIST 3370, 4510, 4530, 4700 or 4710
2. Two-Year Program for non-veterans: MSL 2030, 3010, 3020, 3040, 4010, 4020, and HIST 3370, 4510, 4530, 4700 or 4710
3. Two-Year Program for veterans: MSL 3010, 3020, 3040, 4010, 4020, and HIST 3370, 4510, 4530, 4700 or 4710

**Department of Political Science**

**College of Professional Programs and Social Sciences**

Location: Clement, 143  
 Phone: 931-221-7515  
 Website: [www.apsu.edu/polysci](http://www.apsu.edu/polysci)

**POLITICAL SCIENCE (B.A., B.S.)**

The Political Science program is designed for students who want to work in campaigns and government; teach government and history in high school; or who want a traditional liberal arts major which prepares them to think critically and enter a wide variety of business and other nongovernmental organizations. Our majors are also prepared for law school and graduate school. A minor is required. A departmental exit exam is required the last semester before graduation.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
 <b>Specific General Education Requirements</b>	
Math 1530 is recommended, but not required.	
 <b>Lower Division Major Requirements</b>	 <b>9</b>
POLS 2010      American National Government	3
POLS 2040      Intro. to Public Policy	3
POLS 2070      International Politics	3
 <b>Upper Division Major Requirements</b>	 <b>6</b>
POLS 3000      Foundations of Political Theory	3
POLS 3760      Methods of Research	3
 <b>Major Electives</b>	 <b>18</b>
POLS 3010      Comparative Politics	3
POLS 3020      American Foreign Policy	3
POLS 3040      U.S. Defense Policy	3
POLS 3060      Terrorism and Counter-Terrorism	3
POLS 3070      Theories of International Relations	3
POLS 3110      British Politics and Government	3
POLS 3120      European Politics	3
POLS 3140      Latin American Politics	3
POLS 3160      African Politics	3
POLS 3180      Middle East Politics	3
POLS 3360      Study Abroad–Africa	3
POLS 4010      Contemporary Political Ideas	3
POLS 4020      The Politics of Contemporary African American Thought and Movement	3
POLS 4040      Women and Politics	3
POLS 4050      Health Care Policy in the United States	3
POLS 4070      Politics in the American States	3
POLS 4080      Urban Politics	3

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POLS 4130	Political Parties and Interest Groups	3
POLS 4170	Power, Morality, and International Relations	3
POLS 4200	The American Presidency	3
POLS 4210	Legislative Process and Behavior	3
POLS 4220	Political Leadership	3
POLS 4300	Judicial Politics and Behavior	3
POLS 4310	American Constitutional Law I	3
POLS 4320	American Constitutional Law II	3
POLS 4330	Women and the Law	3
POLS 4340	Family Law	3
POLS 4350	Legal Mediation and Alternative Dispute Resolution	3
POLS 4370	Juvenile Law	3
POLS 4400	Politics and Mass Media	3
POLS 4510	Communication and Public Opinion	3
POLS 451ABC	Selected Topics in Political Science	3

### Professional Courses

These courses are offered for the advanced political science major and are available with permission of the instructor.

POLS 453ABC	Problems in Political Science	3
POLS 4540	Legislative Internship Program	15
POLS 455ABC	Government Internship	3/6/9

### POLITICAL SCIENCE MINOR 18

POLS 2010	American National Government	3
POLS 2040	Intro. to Public Policy	3
POLS 2070	International Politics	3

### Electives

Select upper division courses excluding 453 A,B,C, and above 9

### LEGAL STUDIES CONCENTRATION

This concentration is recommended for students who wish to have careers as paralegals.

<b>Political Science Major with Legal Studies Concentration</b>		<b>Credit Hours</b>
		<b>51</b>
POLS 1000	Introduction to Legal Assistance and Ethics	3
POLS 1002	Introduction to Law	3
POLS 1004	Torts	3
POLS 1005	Legal Research	3
POLS 1006	Legal Writing	3
POLS 1008	Civil Trial and Appellate Practice	3
POLS 2010	American National Government	3
POLS 2040	Introduction to Public Policy	3
POL 2070	International Politics	3
POLS 3000	Foundations of Political Theory	3
POLS 3760	Methods of Research	3
POLS 4310	American Constitutional Law I	3
POLS 4320	American Constitutional Law II	3

POLS 4340      Family Law      3

Select 9 additional upper division hours, excluding POLS 4540 and above except by permission of the chair. No minor is required. A departmental exit exam is taken during the last semester before graduation.

**POLITICAL SCIENCE TEACHING LICENSURE**

**Credit Hours  
62**

POLS 2010      American National Government      3  
 POLS 2040      Introduction to Public Policy      3  
 POLS 2070      International Politics      3

**Seven Upper Division POLS Electives**

**21**

ECON 2010      Principles of Macroeconomics      3  
 GEOG 1020      Geography of Europe, the Americas, and Australia      3  
 HIST 1210      World History I      3  
 HIST 1220      World History II      3  
 HIST 4400      Teaching Social Studies in the Secondary Schools      3  
 Two upper division history courses      6

**PROFESSIONAL EDUCATION MINOR**

**23**

Student Teaching      12

**INTERNATIONAL RELATIONS MINOR**

**Credit Hours  
18**

POLS 2070      International Policy      3  
 POLS 3070      Theories of International Relations      3  
 POLS 4170      Power, Morality, and International Relations      3

*Select three from:*

POLS 3010      Comparative Politics      3  
 POLS 3020      American Foreign Policy      3  
 POLS 3040      U.S. Defense Policy      3  
 POLS 3110      British Politics and Government      3  
 POLS 3120      European Politics      3  
 POLS 3140      Latin American Politics      3  
 POLS 3160      African Politics      3  
 MGT 4110      International Management      3  
 ECON 4610      International Economics      3

POLS majors must take an additional course since POLS 2070 counts towards the major.

**LATIN AMERICAN STUDIES MINOR**

See page 103.

## PreLaw

### Department of Political Science

#### College of Professional Programs and Social Sciences

Location: Clement, 143

Phone: 931-221-7515

Website: [www.apsu.edu/polysci](http://www.apsu.edu/polysci)

Advisors guide the student to meet the minimum requirements for admission to a professional law program. The student may elect to complete the requirements for the degree of Bachelor of Business Administration, Bachelor of Science, or the degree of Bachelor of Arts in preparation for applying for admission to a school of law. In meeting these requirements, students are referred to the core requirements for the B.B.A., B.S., or B.A. degree and the restrictions of the major and minor they elect. Students interested in attending law school are able to follow any one of the following routes:

1. Any major and minor with a pre-law studies pathway (political science major encouraged; see Dr. Rabidoux)
2. A political science major with a Legal Studies concentration (the emphasis; however, is on paralegal training.)
3. Any major

## Department of Psychology

### College of Professional Programs and Social Sciences

Location: Clement, 205

Phone: 931-221-7233

Website: [www.apsu.edu/psychology](http://www.apsu.edu/psychology)

### PSYCHOLOGY (B.A., B.S.)

The objective of the program is to provide the student with a firm foundation in basic psychology. This includes knowledge of basic content areas, as well as the skills fundamental to all areas of psychology. A student completing the major in psychology should be able to

- Conduct a search of psychological literature;
- Read and understand journal articles;
- Evaluate a hypotheses or theory on the basis of empirical data;
- Design and conduct a research study; and
- Write a paper following APA style.

Psychology majors access a tentative two-year schedule at [www.apsu.edu/psychology/ug.htm](http://www.apsu.edu/psychology/ug.htm). This list represents the courses as the department hopes to offer them and is provided to help students with long term planning. Psychology majors are strongly urged to meet with their advisors during pre-registration or at least once every semester to ensure on-course tracking and successful fulfillment of graduation requirements.

**General Education (see TBR Common Core)**

**University-Wide Freshman Seminar Requirement**

**Credit Hours**

**41**

**1**

**MAJOR (42 Credit Hours)**

**Lower Division Major Requirements 7**

PSY 1010	General Psychology	3
PSY 2000	Career Planning in Psychology*	1
PSY 2010	Statistics for the Behavioral Sciences*	3

**Upper Division Major Requirements 20**

PSY 3010 or 3040	Learning and Motivation* or Cognitive Process*	4
PSY 3020 or 3030	Physiological Psychology* or Sensory Processes*	4
PSY 3100	Developmental Psychology*	3
PSY 3180	Research Methods*	3
PSY 3330	Social Psychology*	3
PSY 4350 or 4360	Psychology of Personality* or Abnormal Psychology*	3

**Major Electives 15**

PSY 2210	Human Interaction	3
PSY 3010	Learning and Motivation*	4
PSY 3020	Physiological Psychology*	4
PSY 3030	Sensory Processes*	4
PSY 3040	Cognitive Processes*	4
PSY 3110	Child Development	3
PSY 3120	Adult Development*	3
PSY 3130	Introduction to Educational Psychology*	3
PSY 3200	Adolescent Development*	3
PSY 3210	Psychology of Women	3
PSY 3230	African American Psychology	3
PSY 3290	Introduction to Psychological Measurement*	3
PSY 3340	Health Psychology	3
PSY 3500	Consumer Psychology	3
PSY 4000	History and Systems of Psychology*	3
PSY 4010	Death, Dying, and Bereavement*	3
PSY 4050	Applied Psychopharmacology	3
PSY 4060	Group Dynamics	3
PSY 4120	Human Factors*	3
PSY 4140	Learning and Behavior Disorders*	3
PSY 4150	Behavior Modification: Theories and Practice*	3
PSY 4350	Psychology of Personality*	3
PSY 4360	Abnormal Psychology*	3
PSY 4370	Introduction to Clinical Psychology	3
PSY 4444	Cross-Cultural Psychology	3
PSY 4500	Psychology Applied to Work	3
PSY 4610-4680	Special Topics*	1-3 each
PSY 4840	Honors: Research*	3
PSY 4850	Honors: Field Experience*	3

\*Prerequisite(s) required.

Other electives require departmental approval. Courses taken to fulfill the Psychology Core may not simultaneously fulfill a psychology elective requirement; however, any additional psychology core classes may be used as electives.

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### MINOR

PSY 1010

Electives

Credit Hours

**18**

3

15

Twelve hours must be completed from 3000-4999 level courses. No more than eight hours which count toward another major can be used for a minor in Psychology.

## Department of Social Work

### College of Professional Programs and Social Sciences

Location: Marks Building, Room 104

Phone: 931-221-7730

Website: [www.apsu.edu/socialwork](http://www.apsu.edu/socialwork)

### SOCIAL WORK (B.S.)

Upon graduation, students majoring in Social Work are prepared to assume professional positions at a host of agencies such as hospitals, hospice programs, home health agencies, community mental health centers, social service departments, youth programs, and community service agencies.

**Accreditation:** The Social Work Program at Austin Peay is fully accredited by the Council on Social Work Education.

Additional Admission Requirements: Overall cumulative GPA of 2.0 is required for admission to the Social Work Program. After admission all social work students are required to maintain a 2.0 GPA in the major and earn at least a C grade in social work practice courses (SW 3400, SW 3620, SW 3630, SW 4411, and SW 4270).

	Credit Hours
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements for this major</b>	<b>10</b>
PSY 1010      General Psychology	3
SOC 2010      Introduction to Sociology	3
BIOL 1040     Human Biology Lecture	3
BIOL 1041     Human Biology Lab	1
<b>Lower Division Major Requirements</b>	<b>3</b>
SW 2110      Introduction to Social Work	3
<b>Upper Division Major Requirements</b>	<b>47</b>
SW 3400      Generalist Social Work Practice	3
SW 3410      Values, Ethics and Diversity	3
SW 3420      Human Behavior in the Social Environment	3
SW 3450      Human Behavior in the Macro Environment	3
SW 3620      Micro Social Work Practice	3
SW 3630      Macro Social Work Practice	3
SW 3770      Research Methods	3

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SW 4400	Orientation for Field Instruction	1
SW 4410	Field Instruction	12
SW 4411	Field Instruction Concurrent Seminar	3
SW 4430	Social Policy	3
SW 4440	Law and Social Work	3
SW 4720	Senior Seminar	3

### Major Electives 9

SW 3430	Elements of Rural Practice	3
SW 3440	Crisis Intervention	3
SW 3460	Community Mental Health: Policy and Practice	3
SW 3470	Techniques of Social Work for Groups	3
SW 3480	HIV and Social Work	3
SW 3490	Social Work and Aging	3
SW 3680	Child Welfare	3
SW 3700	Child Welfare II	3
SW 4020	Human Sexuality	3
SW 4030	Child and Adolescent Mental Health	3
SW 4035	Social Work with Children and Families	3
SW 4040	Social Work and Family Violence	3
SW 4900	Selected Topics in Social Work	3
SW 499A,B,C	Directed Individual Study	1,2,3

## Department of Sociology

### College of Professional Programs and Social Sciences

Location: Clement, 143

Phone: 931-221-7515

Website: [www.apsu.edu/sociology](http://www.apsu.edu/sociology)

### SOCIOLOGY (B.S.)

Sociology is the study of society in all of its forms from individual to large organizations. The sociology major emphasizes the theoretical and applied aspects of the field of sociology. Applied Sociology is the use of sociological theory and methods to analyze and solve personal, social, structural, and societal problems and issues that exist in our everyday social world. Students majoring in sociology and graduating with a B.A. or B.S. will be able to apply their sociological perspective to a wide variety of jobs in such sectors as business, the health professions, the criminal justice system, social services, and government. Since the discipline involves investigative skills and working with diverse groups, sociology offers valuable preparation for careers in journalism, education, politics, public relations, business, or public administration. As a strong liberal arts major, sociology provides preparation for future graduate work in the discipline ranging from the M.A. to PH.D. in order to become a professor, researcher, or applied sociologist. A minor is required. A departmental exit exam is required the last semester before graduation.

**General Education (see TBR Common Core)**

**41**

**University-Wide Freshman Seminar Requirement**

**1**

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### Lower Division Major Requirements **3**

SOC 2010 Introduction to Sociology 3

### Upper Division Major Requirements **12**

SOC 3760 Introduction to Social Research 3

SOC 3770 Social Statistics 3

SOC 4080 Classical Sociology Theory 3

SOC 4090 Modern Sociological Theory 3

### Major Electives **18**

SOC 2050 Social Problems 3

SOC 2500 Cultural Anthropology 3

SOC 3000 Family Theory 3

SOC 3010 Marriage and the Family 3

SOC 3020 African American Families in the United States 3

SOC 3030 Families in Crisis 3

SOC 3040 Urban Society 3

SOC 3050 Race Relations and Minority Peoples 3

SOC 3060 Contemporary Issues in the Family 3

SOC 3070 Families Across Cultures 3

SOC 3080 Gender and Society 3

SOC 3090 Internship/Field Placement 3

SOC 3100 Popular Culture 3

SOC 3140 Sociology of Deviant Behavior 3

SOC 3150 Social Psychology of Everyday Life 3

SOC 3200 Crime and Delinquency 3

SOC 3300 Social Inequality 3

SOC 3400 Sociology of Religion 3

SOC 3500 Sport and Society 3

SOC 3600 Sociology of Later Maturity and Old Age 3

SOC 3700 Medical Sociology 3

SOC 3750 Population and Society 3

SOC 3800 Women and Social Change 3

SOC 3810 Collective Behavior and Social Movements 3

SOC 4300 Behavior in Organizations 3

SOC 4400 Environmental Sociology 3

SOC 4410 Environmental Policy 3

SOC 4420 Environmental Justice 3

SOC 4900 Selected Topics in Society 3

SOC 499A,B,C Directed Individual Study 1,2,3

### Credit Hours

### **SOCIOLOGY MINOR **18****

SOC 2010 Introduction to Sociology 3

SOC 2050 Social Problems 3

SOC 4080 or 4090 Classical Sociological Theory or Modern Sociological Theory 3

### **Electives (Sociology Electives) **6****

**ENVIRONMENTAL STUDIES MINOR**

**Credit Hours**

**18**

SOC 4400	Environmental Sociology	3
SOC 4410	Environmental Policy	3
SOC 4420	Environmental Justice	3
<i>Select three from:</i>		
SOC 3700	Medical Sociology	3
SOC 3040	Urban Sociology	3
BIO 4080	General Ecology	4
GEOG 3250	Geographic Information Systems II	4
GEOG 3950	Population and the Environment	3
GEOG 4000	Environmental Management	3
GEOL 3030	Environmental Geology	4
AGRI 3000	Conservation	3
PHIL 2310	Environmental Ethics	3
POLS 2040	Introduction to Public Policy	3

**FAMILY STUDIES MINOR**

**Credit Hours**

**18**

SOC 3000	Family Theory	3
SOC 3010	Marriage and the Family	3
SOC 3060	Contemporary Issues in the Family	3
<i>Select three from:</i>		
SOC 3020	African American Families in the United States	3
SOC 3030	Families in Crisis	3
SOC 3070	Families Across Cultures	3
SOC 3080	Gender and Society	3
SOC 3600	Sociology of Later Maturity and Old Age	3
PSY 4010	Death, Dying, and Bereavement	3
SW 4020	Human Sexuality	3

**ASIAN STUDIES MINOR (18 HOURS)**

See page 190.

# College of Science and Mathematics

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Location: Harned Hall, 132  
Phone: 931-221-7971; Fax: 931-221-7984  
e-mail: [taylorjr@apsu.edu](mailto:taylorjr@apsu.edu)  
Website: [www.apsu.edu/cosm/](http://www.apsu.edu/cosm/)

The College of Science and Mathematics provides study for students in the areas of agriculture, astronomy, biology, chemistry, computer science, geosciences, mathematics, medical technology, radiologic technology, and physics. Our outstanding, discipline-based programs are student-centered and designed to prepare students for responsible positions at all levels of research, industry, education, medicine, and government. We emphasize degree programs relevant to regional economic and market trends, designed to enable graduates to compete in the global economy and foster lifelong learning skills. Our mission is to promote scientific literacy, while emphasizing the process, content, and interdisciplinary nature of science. Additionally, our mission is to develop critical thinking skills, enhance verbal and written communication abilities, encourage reasoned debate on scientific issues, and promote civic responsibility.

Our goal is to provide professional training at the undergraduate and graduate levels, while serving as a foundation for a career in science or mathematics, as well as to provide training for allied health professions and pre-professional training in preparation for careers in medicine, dentistry, pharmacy, and veterinary science. In addition, we encourage collaborative research with faculty, internships, and other learning experiences that facilitate transition to work or graduate and professional education.

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DEPARTMENT	MAJOR	CONCENTRATIONS	TEACHER CREDENTIAL PREPARATION OFFERED	DEGREE	
School of Agriculture & Geosciences	Agriculture	Agri-Business		B.S.	
		Agri-Communication		B.S.	
		Agri-Science		B.S.	
	Geosciences		Global Environment & Development		B.S.
			Environmental Hazards		B.S.
			Geographic Information Analysis		B.S.
Geology				B.S.	
Allied Health Sciences	Medical	Technology		B.S.	
		Radiologic			
		Technology		B.S.	
Biology	Biology		Licensure 7-12	B.S.	
Chemistry	Chemistry		Licensure 7-12	B.S.	
Computer Science	Computer	Computer		B.S.	
		Science			
		& Information Science	Information Science	B.S.	
		Science	Database Administration	B.S.	
		Science	Internet & Web Technology	B.S.	
Mathematics	Mathematics		Licensure 7-12	B.S.	
Physics & Astronomy	Physics		Licensure 7-12	B.S.	

**School of Agriculture and Geosciences**

**College of Science and Mathematics**

Location: McCord, 203

Phone: 931-221-7454

Website: [www.apsu.edu/soag](http://www.apsu.edu/soag)

The School of Agriculture & Geosciences offers specialized, interdisciplinary curricula in agriculture, geography, and geology. Our common agenda is educating students in the production or procurement of food, minerals, energy, and water resources for society, while promoting policies and strategies for responsible stewardship of the environment. Special topics within various programs include geo-technologies (GIS, GPS, remote sensing, precision agriculture), natural resources management (forestry, wildlife, hydrology), earth surface processes and history, regional studies, and agro-terrorism. The agriculture program operates the Environmental Education Center, 476 acres of land—half in natural cover and half for the production of farm commodities.

**Agriculture**

**School of Agriculture & Geosciences**

**College of Science and Mathematics**

Location: Sundquist Science Complex, D224

Phone: 931-221-7272

Website: [www.apsu.edu/agriculture/](http://www.apsu.edu/agriculture/)

Students majoring in agriculture will select one of three concentrations: Agri-Business, Agri-Science, or Agri-Communications. In each case, a strong broad-based understanding of American agriculture will be developed.

	<b>Credit hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>14/15</b>
BIOL 1010 or 1110      Principles of Life or Diversity of Life (and lab)	4
CHEM 1010 or 1110      Society and the Environment (and lab) or General Chemistry (plus recitation/lab)	4/5
ECON 2010      Principles of Macroeconomics	3
COMM 1010      Fundamentals of Public Speaking	3
<b>Lower Division Major Requirements</b>	<b>12</b>
AGRI 1000      Survey of Agriculture	1
AGRI 1310      Animal Science	3
AGRI 1410      Plant Science (and lab)	4
AGRI 2210      Soils (and lab)	4
<b>Upper Division Major Requirements</b>	<b>12</b>
AGRI 3500      Agriculture Economics	3

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AGRI 4010	Agriculture Seminar	1
AGRI 4020	Agriculture Seminar	1
AGRI 4430	Genetics of Crops and Livestock	3
AGRI 4500	Farm Planning and Management (and lab)	4

### **Additional Major Requirements** **18**

Additional hours in each concentration are required and must be selected in consultation with advisor and with a view toward career goals. No minor is required.

#### **\*Credit from the following is normally excluded from major**

AGRI 3610	Internship in Agriculture	2
AGRI 3620	Internship in Agriculture	2
AGRI 4610	Cooperative Educational Experience	5
AGRI 4620	Cooperative Educational Experience	5
AGRI 4910	Special Problems	1
AGRI 4920	Special Problems	2
AGRI 4930	Special Problems	3

### **AGRICULTURE MINOR**

**Credit Hours**  
**18**

Additional hours in Agriculture (any)	9
Upper Division Agriculture requirements (3000-4999)	9

### **AGRI-BUSINESS CONCENTRATION (B.S.)**

Agri-Business is designed to prepare students for jobs in agricultural businesses and includes additional courses in marketing, management, economics, and accounting.

#### **General Education (see TBR Common Core)**

**Credit Hours**

**41**

**University-Wide Freshman Seminar Requirement** **1**

#### **Lower Division Major Requirements** **43**

AGRI 1000	Survey of Agriculture	1
AGRI 1310	Animal Science	3
AGRI 1410	Plant Science (and lab)	4
AGRI 2500	Introduction to Agri-Business	3
BIOL 1010 or 1110	Principles of Life or Diversity of Life (and lab)	4
GEOL 1040	Physical Geology (and lab)	4
ACCT 2010	Principles of Accounting I	3
AGRI 2210	Soils (and lab)	4
ECON 2010	Principles of Macroeconomics	3
GEOG 1010	Physical Geography (recommended)	3
CHEM 1010 or 1110	Society and the Environment or General Chemistry (and lab)	4
CHEM 1020 or 1120	Society and the Environment or General Chemistry (and lab)	4
MATH 1530	Elements of Statistics (recommended)	3

#### **Upper Division Major Requirements** **24**

AGRI 3500	Agriculture Economics	3
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AGRI 4010	Agriculture Seminar	1
AGRI 4020	Agriculture Seminar	1
MKT 3010	Principles of Marketing	3
AGRI 4430	Genetics of Crops and Livestock	3
AGRI 4500	Farm Planning and Management (and lab)	4
BLAW 3300	Social, Legal, and Political Environment of Business	3
FIN 3010 or MGT 3610 or MKT 3210	Principles of Finance or Entrepreneurship or Retailing Management	3
MGT 3010	Principles of Management and Organizational Behavior	3

<b>Electives</b>		<b>28</b>
Agriculture electives		15
Other electives		13

### AGRI-SCIENCE CONCENTRATION (B.S.)

Agri-Science is designed to prepare students for graduate schools or for jobs requiring technical knowledge of agriculture, and includes additional courses in basic and applied sciences.

		Credit Hours
<b>General Education (see TBR Common Core)</b>		<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>		<b>1</b>
<b>Lower Division Major Requirements</b>		<b>37/39</b>
AGRI 1000	Survey of Agriculture	1
AGRI 1310	Animal Science	3
AGRI 1410	Plant Science (and lab)	4
BIOL 1010 or 1110	Principles of Life or Diversity of Life (and lab)	4
GEOL 1040	Physical Geology (and lab)	4
AGRI 2210	Soils (and lab)	4
ECON 2010	Principles of Macroeconomics	3
MATH 1530	Elements of Statistics (recommended)	3
CHEM 1010 or 1110	Society and the Environment or General Chemistry (and lab)	4/5
CHEM 1020 or 1120	Society and the Environment or General Chemistry (and lab)	4/5
GEOG 1010	Physical Geography (recommended)	3
<b>Upper Division Major Requirements</b>		<b>26</b>
AGRI 3500	Agriculture Economics	3
AGRI 3220	Soil and Water Conservation (and lab)	3
AGRI 3420	Forage Crops	3
AGRI 3310	Animal Nutrition and Feeding (and lab)	4
AGRI 4010	Agriculture Seminar	1
AGRI 4020	Agriculture Seminar	1
AGRI 4430	Genetics of Crops and Livestock	3
AGRI 4500	Farm Planning and Management (and lab)	4

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### Directed Electives

Must complete at least 6 hours from:

AGRI 4310	Reproduction in Farm Animals (and lab)	3
AGRI 4420	Forestry (and lab)	3
CHEM 3500	Brief Organic Chemistry (and lab)	4
CHEM 3510	Organic Chemistry (and lab)	4
CHEM 3520	Organic Chemistry (and lab)	4
GEOG 3150	Geographic Information Systems I (and lab)	4

### Electives

**28**

AGRI electives	9
Other electives	19

### AGRI-COMMUNICATIONS CONCENTRATION (B.S.)

Agri-Communications is designed to prepare students for jobs in agricultural journalism or communication, and includes additional courses in journalism, broadcasting, and photography.

<b>General Education (see TBR Common Core)</b>	<b>Credit Hours</b>
	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>

### Lower Division Major Requirements

**45/47**

AGRI 1000	Survey of Agriculture	1
AGRI 1310	Animal Science	3
AGRI 1410	Plant Science (and lab)	4
COMM 1400	Introductions to Public Relations	3
BIOL 1010 or 1110	Principles of Life or Diversity of Life (and lab)	4
GEOG 1010	Physical Geography (recommended)	3
AGRI 2210	Soils (and lab)	4
COMM 2000	News Reporting	3
ECON 2010	Principles of Macroeconomics	3
ENGL 1100	Technical and Report Writing	3
ART 2090	Photography I	3
CHEM 1010 or 1110	Society and the Environment or General Chemistry (and lab)	4/5
MATH 1530	Elements of Statistics (recommended)	3

### Upper Division Major Requirements

**18**

AGRI 3500	Agriculture Economics	3
AGRI 4010	Agriculture Seminar	1
AGRI 4020	Agriculture Seminar	1
AGRI 4430	Genetics of Crops and Livestock	3
AGRI 4500	Farm Planning and Management (and lab)	4
COMM 3200	Copyediting	3
COMM 4150	Feature Writing	3

### Electives

**36**

AGRI electives	18
COMM (Broadcasting electives)	3
Other electives	15

**PreAgricultural Education  
(Three-Year Transfer Program)**

**School of Agriculture and Geosciences**

**College of Science and Mathematics**

Location: Sundquist Science Complex, D223

Phone: 931-221-7269

Website: [www.apsu.edu/agriculture/](http://www.apsu.edu/agriculture/)

	<b>Credit Hours</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>21</b>
ENGL 1010      English Composition I	3
ENGL 1020      English Composition II	3
COMM 1010      Fundamentals of Public Speaking	3
HIST 2010      American History I	3
HIST 2020      American History II	3
Humanities Core (see TBR Common Core)	6
<b>Lower Division Major Requirements</b>	<b>34</b>
AGRI 1000      Survey of Agriculture	1
AGRI 1310      Animal Science	3
AGRI 1410      Plant Science (and lab)	4
AGRI 2210      Soils (and lab)	4
AGRI 2500      Introduction to Agri-business	3
BIOL 1010      Principles of Life (and lab)	4
BIOL 1020      Diversity of Life (and lab)	4
ECON 2010      Principles of Macroeconomics	3
CHEM 1010      Chemistry: Society and the Environment (and lab)	4
CHEM 1020      Chemistry: Society and the Environment (and lab)	4
<b>Upper Division Major Requirements</b>	<b>31</b>
AGRI 3500      Agriculture Economics	3
AGRI 3020      Agriculture Power and Machinery	3
AGRI 3220      Soil and Water Conservation (and lab)	3
AGRI 3310      Animal Nutrition and Feeding (and lab)	4
AGRI 3330      Beef Production Management	2
AGRI 4500      Farm Planning and Management (and lab)	4
PSY 3130      Introduction to Educational Psychology	3
PSY 3200      Adolescent Development	3
EDUC 3040      Instructional Technology	3
SPED 3000      Introduction to Special Education	3

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### PreFood Technology (Two-Year Transfer Program)

School of Agriculture and Geosciences

College of Science and Mathematics

Location: Sundquist Science Complex, D223

Phone: 931-221-7272

Website: [www.apsu.edu/agriculture/](http://www.apsu.edu/agriculture/)

	<b>Credit Hours</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>9</b>
ENGL 1010      English Composition I	3
ENGL 1020      English Composition II	3
COMM 1010      Fundamentals of Public Speaking	3
<b>Lower Division Major Requirements</b>	<b>42</b>
AGRI 1000      Survey of Agriculture	1
AGRI 1310      Animal Science	3
AGRI 1410      Plant Science (and lab)	4
BIOL 1010      Principles of Life (and lab)	4
BIOL 1020      Diversity of Life (and lab)	4
PHYS 1010      Conceptual Physics: Motion, Heat, and Sound (and lab)	4
PHYS 1020      Conceptual Physics: Electricity, Light, and Modern Physics (and lab)	4
BIOL 2300      Principles of Microbiology (and lab)	4
CHEM 1110      General Chemistry (recitation and lab)	5
CHEM 1120      General Chemistry (recitation and lab)	5
MATH 1730      Precalculus	4
<b>Upper Division Major Requirements</b>	<b>9</b>
AGRI 3500      Agriculture Economics	3
AGRI 4230      Land Use	3
BLAW 3300      Social, Legal, and Political Environment of Business	3

### PreForestry (Two-Year Transfer Program)

School of Agriculture and Geosciences

College of Science and Mathematics

Location: Sundquist Science Complex, D223

Phone: 931-221-7272

Website: [www.apsu.edu/agriculture/](http://www.apsu.edu/agriculture/)

Preforestry program is designed for transfer to University of Tennessee-Knoxville, but it can be adapted to provide transfer credit to other schools with a major in forestry.

	<b>Credit Hours</b>
<b>University-Wide Freshman Seminar</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>15</b>
ENGL 1010      English Composition I	3
ENGL 1020      English Composition II	3
MATH 1530      Elements of Statistics	3
COMM 1010      Fundamentals of Public Speaking	3
ENGL 2030      Traditions in World Literature	3
<b>Lower Division Major Requirements</b>	<b>29</b>
AGRI 1000      Survey of Agriculture	1
AGRI 2210      Soils (and lab)	4
BIOL 1010      Principles of Life (and lab)	4
BIOL 1020      Diversity of Life (and lab)	4
CHEM 1110      General Chemistry (recitation and lab)	5
CHEM 1120      General Chemistry (recitation and lab)	5
ECON 2010      Principles of Macroeconomics	3
MATH 1810      Elements of Calculus	3
<b>Upper Division Major Requirements</b>	<b>20</b>
AGRI 3000      Conservation	3
AGRI 4420      Forestry (and lab)	3
AGRI 3220      Soil and Water Conservation (and lab)	3
AGRI 3310      Animal Nutrition and Feeding (and lab)	4
AGRI 4430      Genetics of Crops and Livestock	3
BIOL 4080      General Ecology (and lab)	4

## PreVeterinary Medicine (Three- or Four-Year Transfer Program)

### School of Agriculture and Geosciences

#### College of Science and Mathematics

Location: Sundquist Science Complex, D223

Phone: 931-221-7272

Website: [www.apsu.edu/agriculture/](http://www.apsu.edu/agriculture/)

APSU offers a preveterinary medicine program that prepares the student for applying to the University of Tennessee College of Veterinary Medicine. Most veterinary schools have similar admission requirements, and APSU's program can be modified to meet the requirements of most.

The preveterinary program of study includes more coursework than the minimum for applying to veterinary school. These additional courses are included to improve the student's chances for success in veterinary school and to complete B.S. degree requirements.

#### Program Requirements:

\*The preveterinary program of study allows students to apply for veterinary school the junior year (or the senior year should they not complete all requirements as a junior).

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\*The student has two degree options at APSU:

- (1) The student may apply for a degree granted in absentia (see page 73) after having successfully completed the first year of veterinary school; or
- (2) The student may complete all requirements in the four-year curriculum and receive a B.S. degree in Agriculture.

		<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>		<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>		<b>1</b>
<b>Specific General Education Requirements</b>		<b>6</b>
ECON 2010	Principles of Macroeconomics	3
COMM 1010	Principles of Public Speaking	3

\*Most Schools of Veterinary Medicine do not have a mathematics requirement.

However, students should note math prerequisites for CHEM 1110 and PHYS 2010.

\*Science requirements: See Lower and Upper Division sections below.

<b>Lower Division Major Requirements</b>		<b>32</b>
AGRI 1000	Survey of Agriculture	1
AGRI 1310	Animal Science	3
BIOL 1010	Principles of Life (and lab)	4
BIOL 1110	Principles of Biology (and lab)	4
CHEM 1110	General Chemistry (recitation and lab)	5
CHEM 1120	General Chemistry (recitation and lab)	5
PHYS 2010	College Physics (demonstration and lab)	5
PHYS 2020	College Physics (demonstration and lab)	5

<b>Upper Division Major Requirements</b>		<b>27</b>
AGRI 3310	Animal Nutrition and Feeding (and lab)	4
AGRI 3420	Forage Crops	3
AGRI 3500	Agriculture Economics	3
AGRI 4230	Land Use	3
BIOL 4440	Cell and Molecular Biology (and lab)	4
CHEM 3510	Organic Chemistry (and lab)	4
CHEM 3520	Organic Chemistry (and lab)	4
CHEM 4300	Brief Biochemistry (and lab)	4
<i>Select one from:</i>		
AGRI 4430	Genetics of Crops and Livestock	3
BIOL 4130	Genetics (and lab)	4

<b>Electives</b>		<b>22</b>
Students should choose at least 22 hours of elective courses with substantial animal content from Agriculture and Biology. Recommendations include:		
AGRI 2310	Animal Management Practices	3
AGRI 3110	Animal Health and Disease Control	3
AGRI 3330	Beef Production Management	2
AGRI 3350	Horse Production	2
AGRI 3380	Companion Animal Management	2
AGRI 3610	Internship in Agriculture	2
AGRI 3620	Internship in Agriculture	2

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AGRI 4110	Agro-Terrorism	3
AGRI 4310	Reproduction in Farm Animals	3
BIOL 2300	Principles in Microbiology (and lab)	4
BIOL 3060	Zoological Diversity (and lab)	4
BIOL 4070	Animal Behavior (and lab)	4
BIOL 4110	Animal Physiology (and lab)	4
BIOL 4200	General Embryology (and lab)	4

### PreWildlife (Two-Year Transfer Program)

#### School of Agriculture and Geosciences

#### College of Science and Mathematics

Location: Sundquist Science Complex, D223

Phone: 931-221-7269

Website: [www.apsu.edu/agriculture](http://www.apsu.edu/agriculture)

Students seeking employment as a wildlife manager or wildlife officer with Tennessee Wildlife Resources Agency can meet minimum qualifications at APSU by majoring in either Biology or Agri-Science and carefully selecting as electives the courses required by TWRA.

Students wanting a wildlife management major will need to transfer to another school. The prewildlife program below is designed for transfer to University of Tennessee-Martin, but it can be adapted to provide transfer credit to other schools with a major in wildlife management.

		<b>Credit Hours</b>
<b>University-Wide Freshman Seminar Requirement</b>		<b>1</b>
<b>Specific General Education Requirements</b>		<b>21</b>
ENGL 1010	English Composition I	3
ENGL 1020	English Composition II	3
MATH 1710	College Algebra	3
COMM 1010	Fundamentals of Public Speaking	3
ECON 2010	Principles of Macroeconomics	3
ENGL 2030	Traditions of World Literature	3
Humanities Core (see TBR Common Core)		3
<b>Lower Division Major Requirements</b>		<b>26</b>
AGRI 1410	Plant Science (and lab)	4
AGRI 2210	Soils (and lab)	4
BIOL 1020	Diversity of Life (and lab)	4
BIOL 1010 or 1110	Principles of Life or Principles of Biology (and lab)	4
CHEM 1110	General Chemistry (recitation and lab)	5
CHEM 1120	General Chemistry (recitation and lab)	5
<b>Upper Division Major Requirements</b>		<b>17/18</b>
AGRI 3220	Soil and Water Conservation (and lab)	3
AGRI 3310	Animal Nutrition and Feeding (and lab)	4
AGRI 4420	Forestry (and lab)	3
BIOL 4080	General Ecology (and lab)	4

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Select one from:

AGRI 4430	Genetics of Crops and Livestock	3
BIOL 4130	Genetics (and lab)	4

## Geosciences

**School of Agriculture and Geosciences**

**College of Science and Mathematics**

Location: McCord, 203

Phone: 931-221-7454

Website: [www.apsu.edu/geosciences](http://www.apsu.edu/geosciences)

The Geosciences program strives to provide students with a desire for inquiry, the ability to engage in abstract and logical reasoning, quantitative-analytical thinking, and applied problem solving in the sciences of geology and geography. We seek to produce students who will contribute to an understanding of earth history and processes, the procurement and management of natural resources, responsible stewardship of the environment, and the promotion of global security.

### ENVIRONMENTAL HAZARDS CONCENTRATION

The Environmental Hazards concentration seeks to prepare students to be informed decision-making citizens. Majors with the hazards concentration are prepared to be problem solving, professional environmental policy makers. Coursework provides systematic spatial and temporal examination of dynamic human, economic, and physical relationships. Hazards concentration coursework asks for independent student thinking and synthesis on issues of human perception, environmental protection, and the role of natural and technological hazards in health and development.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>12</b>
CHEM 1110      General Chemistry	5
GEOG 1010      Physical Geography	3
GEOL 1040      Physical Geology	4
<b>Specific Requirements for all Geosciences majors</b>	<b>8</b>
GEOG 3150      Geographic Information Systems I	4
GEOL 3060      Quantitative Geosciences	4
<b>Upper Division Major Requirements</b>	<b>29</b>
GEOG 3250      Geographic Information Systems II	3
GEOG 3920      Field Mapping and the Global Positioning System	3
GEOG 3930      Natural Hazards in the Environment	3
GEOG 3940      Technological Hazards in the Environment	3
GEOG 3950      Population and the Environment	3
GEOG 4000      Environmental Management	3
GEOG 4010      Environmental Assessment	3

GEOG 4170	Meteorology	4
GEOG 4180	Climatology	4

**Major Electives**

**GROUP 1: General Electives 8**

GEOG 4160	Environmental Modeling and GIS	4
GEOG 4270	Watershed Management and Modeling	4
GEOL 3030	Environmental Geology	4
GEOL 4050	Process Geomorphology	4

**GROUP 2: Allied Sciences 11**

AGRI 1410	Plant Science	4
AGRI 2210	Soils	4
AGRI 4420	Forestry	3
BIOL 1110	Principles of Biology	4
BIOL 3050	Microbial Diversity	4
BIOL 3060	Animal Diversity	4
BIOL 3070	Plant Diversity	4
PHYS 2010	College Physics	5

**Program Total 110**

**GEOGRAPHIC INFORMATION ANALYSIS CONCENTRATION**

The Geographic Information Analysis Concentration prepares students to use a Geographic Information System (GIS) to analyze and communicate spatial relationships. GIS is a relatively new technology designed to collect, store, manage, analyze, and display spatial relationships between both similar and dissimilar features and their attributes. It is widely used for scientific investigations, natural resource management, infrastructure management, and development planning. Graduates of this program are also trained in the use of remote sensing data, GPS data collection, and image analysis software for employment opportunities in local, federal, and state government agencies, commercial consulting firms, and non-profit organizations.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>12</b>
CHEM 1110      General Chemistry	5
GEOG 1010      Physical Geography	3
GEOL 1040      Physical Geology	4
<b>Specific Requirements for all Geosciences majors</b>	<b>8</b>
GEOG 3150      Geographic Information Systems I	4
GEOL 3060      Quantitative Geosciences	4
<b>Lower Division Major Requirements</b>	<b>3</b>
CSCI 1016      Introduction to Visual Basic Programming	3
<b>Upper Division Major Requirements</b>	<b>20</b>
AGRI 4230      Land Use	3
GEOG 3250      Geographic Information Systems II	3

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GEOG 3920	Field Mapping and the Global Positioning System	3
GEOG 4160	Environmental Modeling and GIS	4
GEOG 425ABC	Applied Geographic Information Systems	3
GEOG 4260	Remote Sensing	4

### Major Electives

#### GROUP 1: General Electives **6**

CSCI 3300	Introduction to Web Development	3
CSCI 4400	Principles of Database Management	3
CSCI 4610	Advanced Visual Basic Programming	3

#### GROUP 2: Allied Sciences **8**

BIOL 1110	Principle of Biology	4
BIOL 3050	Microbial Diversity	4
BIOL 3060	Animal Diversity	4
BIOL 3070	Plant Diversity	4
GEOL 3030	Environmental Geology	4
GEOL 4050	Process Geomorphology	4

#### GROUP 3: Geography Courses **8**

Students must choose eight hours of upper division geography electives **8**

**Program Total 107**

### GEOLOGY CONCENTRATION

The Geology concentration provides graduates with the abstract, logical reasoning, spatial, and quantitative skills to qualify for professional licensure to practice geology in Tennessee and Kentucky. Graduates are prepared for and the program's record demonstrates the ability of our graduates to enter graduate school and professional positions in environmental, hydrogeologic, and natural resource fields within the private and public sectors anywhere in the United States.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>15</b>
GEOG 1010 Physical Geography	3
GEOL 1040 Physical Geology	4
GEOL 1050 Historical Geology	4
MATH 1730 Precalculus	4
<b>Specific Requirements for all Geosciences majors</b>	<b>13</b>
GEOG 3150 Geographic Information Systems I	4
GEOL 3060 Quantitative Geosciences	4
CHEM 1110 General Chemistry	5
<b>Lower Division Major Requirements</b>	<b>5</b>
CHEM 1120 General Chemistry II	5
<b>Upper Division Major Requirements</b>	<b>27</b>
GEOL 3000 Structural Geology	4

GEOL 3002	Structure Field Practicum	1
GEOL 3100	Stratigraphy and Sedimentation	4
GEOL 3500	Mineralogy	4
GEOL 3600	Petrology	4
GEOL 4250	Hydrogeology	4
GEOL 4910	Invertebrate Paleontology	4
GEOL 4995	Seminar in Geosciences Communication	2

**Major Electives**

**GROUP 1: General Electives 8-10**

GEOL 3030	Environmental Geology	4
GEOL 3680	Principles of Geochemistry	3
GEOL 4050	Process Geomorphology	4
GEOL 4100	Seminar in Tectonics	3
GEOL 4450	Economic Geology	4
GEOL 4920	Advanced Paleontology	3
GEOL 4990	Field Geology*	6
GEOL 450ABC	Laboratory Research Project	3
GEOL 455ABC	Seminar in Earth Science	3
MATH 1910	Calculus and Analytic Geometry*	5

**Group 2: Allied Sciences 8-10**

BIOL 1110	Principles of Biology	4
BIOL 3060	Animal Diversity	4
BIOL 3330	Principle of Evolution	4
BIOL 4080	General Ecology	4
PHYS 2010	College Physics*	5
PHYS 2020	College Physics*	5
PHYS 2110	University Physics*	5
PHYS 2120	University Physics*	5

\*NOTE: These courses are recommended.

NOTE: Students planning to attend graduate school in the geological sciences should select the following electives:

GEOL 4990	Field Geology	6
MATH 1910	Calculus and Analytic Geometry	5
MATH 1920	Calculus and Analytic Geometry	5
PHYS 2010	College Physics and	5
PHYS 2020	College Physics (or higher physics course)	5

**Program Total 118-122**

**GLOBAL ENVIRONMENT AND DEVELOPMENT CONCENTRATION**

The main focus of the Global Environment and Development concentration is to develop an understanding of active regional forces and events causing changes in natural and socio-economic systems in the realm of our planet. Examples of such events include global warming, global security, international cooperation and world regional development. The students will master regional geography of the world and become better managers of the planet's natural and human resources.

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	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>11-12</b>
CHEM 1010      Chemistry: Society and the Environment	
or 1110          General Chemistry	4/5
GEOG 1010      Physical Geography	3
GEOL 1040      Physical Geology	4
<b>Specific Requirements for all Geosciences majors</b>	<b>8</b>
GEOG 3150      Geographic Information Systems I	4
GEOL 3060      Quantitative Geosciences	4
<b>Lower Division Major Requirements</b>	<b>6</b>
GEOG 1020      Geography of Europe, the Americas, and Australia	3
GEOG 1030      Geography of Africa, Asia, and Oceania	3
<b>Upper Division Major Requirements</b>	<b>15</b>
GEOG 3110      Geography of the United States and Canada	3
GEOG 3950      Population and the Environment	3
GEOG 3960      Urban Environments	3
GEOG 3980      Economic Geography	3
GEOG 4000      Environmental Management	3
<b>Major Electives</b>	<b>18</b>
<i>Select 18 Hours from Group 1 or Group 2</i>	
<b>GROUP 1: General Electives</b>	
AGRI 3000      Conservation	3
AGRI 4230      Land Use	3
ECON 2010      Principles of Macroeconomics	3
ECON 2020      Principles of Microeconomics	3
ECON 4610      International Economics	3
HIST 3360      Modern Europe, 1919-Present	3
HIST 4730      U.S. Foreign Relations Since 1890	3
MGT 3010      Principles of Management and Organizational Behavior	3
MGT 4110      International Management	3
MKT 3010      Principles of Marketing	3
MKT 3410      International Marketing	3
MKT 3710      Applications in Business Mapping	3
PHIL 2310      Environmental Ethics	3
POLS 3020      American Foreign Policy	3
<b>GROUP 2: International Studies Courses</b>	
Student can choose to take eighteen (18) hours of coursework from International Studies instead of eighteen (18) hours from the above general electives list.	
<b>GROUP 3: Foreign Language Courses</b>	<b>6</b>
Students must take six (6) hours of upper division foreign language courses.	
<b>Program Total</b>	<b>106-107</b>

**GEOGRAPHY MINOR**

**Credit Hours  
18**

**Minor Requirements**

**9**

GEOG 1010	Physical Geography	3
GEOG 1020	Geography of Europe, the Americas, and Australia	3
GEOG 1030	Geography of Africa, Asia, and Oceania	3

**Minor Electives**

**9\***

Electives	Upper Division Geography Courses	9
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\*NOTE: Students must get their advisors' approval for these courses.

**GEOGRAPHIC INFORMATION SYSTEMS MINOR**

**Credit Hours  
18**

**Minor Requirements**

**12**

CSCI 1016	Introduction to Visual Basic Programming	3
GEOG 3250	Geographic Information Systems II	3
GEOG 3920	Field Mapping and the Global Positioning System	3
GEOG 4260	Remote Sensing	3

**Minor Electives**

**6\***

CSCI 4400	Principles of Database Management	3
CSCI 4610	Advanced Visual Basic Programming	3
GEOL 3060	Quantitative Geosciences	4
GEOG 4270	Watershed Management and Modeling	4
GEOL 3030	Environmental Geology	4
MKT 3710	Applications in Business Mapping	3

\*NOTE: Students must get their advisors' approval for these courses.

**GEOLOGY MINOR**

**Credit Hours  
18**

**Minor Requirements**

**8**

GEOL 1040	Physical Geology	4
GEOL 1050	Historical Geology	4

**Minor Electives**

**10\***

GEOL 3000	Structural Geology	4
GEOL 3002	Structure Field Practicum	1
GEOL 3060	Quantitative Geosciences	4
GEOL 3100	Stratigraphy and Sedimentation	4
GEOL 3500	Mineralogy	4
GEOL 3600	Petrology	4
GEOL 4250	Hydrogeology	4
GEOL 4910	Invertebrate Paleontology	4
GEOL 4995	Seminar in Geosciences Communication	2
GEOL 3030	Environmental Geology	4
GEOL 3680	Principles of Geochemistry	3

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GEOL 4050	Process Geomorphology	4
GEOL 4100	Seminar in Tectonics	3
GEOL 4450	Economic Geology	4
GEOL 4920	Advanced Paleontology	3
GEOL 4990	Field Geology	6
GEOL 450ABC	Laboratory Research Project	3
GEOL 455ABC	Seminar in Earth Science	3

\*NOTE: Students must get their advisors' approval for these courses.

### ASIAN STUDIES MINOR (18 HOURS)

College of Arts and Letters

College of Professional Programs and Social Sciences

College of Science and Mathematics

Location: McCord Building, 203

Phone: 931-221-7942

Asian Studies is an interdisciplinary minor designed to meet the needs of students interested in Asian geography, history, and culture. It is hosted by the Geosciences program and the departments of Art, History and Philosophy, and Political Science.

<i>Select six from:</i>		<b>Credit Hours</b>
ART 324x	Art History, Special Topics: Asia	<b>18</b> 3
GEOG 3130	Geography of the Middle East	3
GEOG 450C	Special Problems in Regional Geography: Asia	3
HIST 3520	History of Modern China	3
HIST 3620	Modern Japan	3
HIST 3820	History of Modern Korea	3
PHIL 2200 or 380A	Religion and the World or Comparative World Religions	3
POLS 3010	Comparative Politics	3
POLS 451A	Selected Topics in Political Science: Southeast Asia	3

## Department of Allied Health Sciences

College of Science and Mathematics

Location: Sundquist Science Complex, D232

Phone: 931-221-6455

Website: [www.apsu.edu/allied health](http://www.apsu.edu/allied%20health)

### MEDICAL TECHNOLOGY (B.S.)

The Medical Technology major is recommended for students interested in pursuing a career in the clinical laboratory. In addition, the Medical Technology major is excellent preparation for professional or graduate school and careers in research or industry. APSU has a four-year, campus-based program through affiliation with area hospitals. The courses which comprise the senior year include both campus-based didactic courses and practical courses at affiliate hospital clinical laboratories. Upon successful completion of the four-year program, a B.S. degree is awarded. A certificate is awarded for completion of the professional program.

## ACCREDITATION

The Medical Technology program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences and the Medical Laboratory Board for the state of Tennessee.

## ADMISSION REQUIREMENTS

Students must complete a separate admission packet to apply for the senior year. Requirements for acceptance include: overall grade point average, application and essay, coursework completion, official transcripts, and references.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>14</b>
CHEM 1110/1111 General Chemistry I (and lab)	5
CHEM 1120/1121 General Chemistry II (and lab)	5
MATH 1730 Precalculus	4
<b>Lower Division Major Requirements</b>	<b>12</b>
BIOL 2010/2011 Human Anatomy & Physiology I (and lab)	4
BIOL 2020/2021 Human Anatomy & Physiology II (and lab)	4
BIOL 2300/2301 Principles of Microbiology (and lab)	4
<b>Upper Division Major Requirements</b>	<b>20</b>
BIOL 3760/3761 Immunology and Serology (and lab)	4
CHEM 3500/3501 Brief Organic Chemistry (and lab)	4
CHEM 4300/4301 Brief Biochemistry (and lab)	4
MTEC 3940/3941 Fundamentals of Clinical Analysis (and lab)	4
<i>Select one from:</i>	
BIOL 4110/4111 Animal Physiology (and lab)	4
BIOL 4130/4131 Genetics (and lab)	4
BIOL 4160/4161 Human Physiology (and lab)	4
BIOL 4440/4441 Cell and Molecular Biology (and lab)	4
BIOL 4450/4451 Biotechnology (and lab)	4
<b>Senior Year/Professional Program</b>	<b>44</b>
MTEC 4980/4981 Diagnostic Microbiology I (and lab)	4
MTEC 4910/4911 Hematology (and lab)	4
MTEC 4940/4941 Clinical Analysis I (and lab)	4
MTEC 4750 Management/Research/Education	3
MTEC 4900 Clinical Phlebotomy	1
MTEC 4950 Immunohematology	4
MTEC 4970 Clinical Analysis II (and lab)	4
MTEC 4730 Diagnostic Microbiology II (and lab)	4
MTEC 4090 Clinical Hematology	4
MTEC 4290 Clinical Microbiology	4
MTEC 4390 Clinical Immunohematology/Serology	4
MTEC 4490 Clinical Chemistry/Urinalysis	4
<b>Program Total</b>	<b>120</b>

**RADIOLOGIC TECHNOLOGY (B.S.)**

**NUCLEAR MEDICINE AND ULTRASOUND CONCENTRATION (TRACK)**

APSU has an affiliation with the Radiologic Technology School at the Vanderbilt University Medical Center. Degrees include Nuclear Medicine Technology or Ultrasonography. Students desiring to enter one of the programs of radiology should file applications to the appropriate program director at the beginning of the junior year. Students may be eligible for a B.S. degree absentia after successful completion of the professional program. Students may elect to transfer to other accredited professional schools of radiology after completing two years at APSU, and should consult with their academic advisor and select courses required by the particular school before registering for the sophomore year. Acceptance into a clinical program is competitive.

**ADMISSION REQUIREMENTS**

Students must complete a separate admission packet to apply to the senior year. Requirements for acceptance include: overall grade point average, physical, application and essay, coursework completion, official transcripts, and references.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education requirements</b>	
CHEM 1110/1111 General Chemistry I (and lab)	5
CHEM 1120/1121 General Chemistry II (and lab)	5
MATH 1530 Statistics	3
<b>Lower Division Major Requirements</b>	<b>29/30</b>
BIOL 2010/2011 Human Anatomy and Physiology I (and lab)	4
BIOL 2020/2021 Human Anatomy and Physiology II (and lab)	4
CSCI 1000 Introduction to Computer Science	3
MATH 1730 Precalculus	4
PHYS 2010/2011 College Physics I (and lab)	5
PHYS 2020/2021 College Physics II (and lab)	5
RLTN 2050 Medical Terminology	1*
*(required for ultrasonography only)	
<b>Upper Division Major Requirements</b>	<b>4</b>
MTEC 3910/3911 Fundamentals of Hematology (and lab)	4
<b>Senior Year/Professional Program</b>	<b>45</b>
RLTN 484A Internship	45

**RADIOGRAPHY CONCENTRATION (TRACK)**

APSU Radiologic Technology Program with a concentration in Radiography is a two-year (24-month), campus-based, course of studies. Students desiring to enter the program should file applications to the Radiography Program Director by the end of February, prior to the summer they would begin the program. Applicants must have completed all of the core requirements prior to beginning the professional phase of the radiography program. After successful completion of the professional phase, graduates will be eligible to sit for the national registry through the American Registry of Radiologic Technologists (ARRT).

## ADMISSION REQUIREMENTS

Students must complete a separate admission packet to apply for the senior year. Requirements for acceptance include: overall grade point average, physical, application and essay, coursework completion, official transcripts, and references. Acceptance into the program is competitive.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>43</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	
CHEM 1110/1111 General Chemistry I (and lab)	5
CHEM 1120/1121 General Chemistry II (and lab)	5
MATH 1730 Precalculus	4
<b>Lower Division Major Requirements</b>	<b>19</b>
BIOL 2010/2011 Human Anatomy and Physiology I (and lab)	4
BIOL 2020/2021 Human Anatomy and Physiology II (and lab)	4
PHYS 2010/2011 College Physics I (and lab)	5
PHYS 2020/2021 College Physics II (and lab)	5
RLTN 2050 Medical Terminology	1
<b>Upper Division Major Requirements</b>	<b>61</b>
RLTN 3000 Introduction to Radiologic Technology	2
RLTN 3010 Patient Care and Interaction	3
RLTN 3020 Image Production and Evaluation I	3
RLTN 3030 Radiographic Procedures I	5
RLTN 3040 Radiographic Image Analysis	3
RLTN 3080 Introduction to Clinical Education	2
RLTN 3082 Clinical Education I	2
RLTN 3083 Clinical Education II	2
RLTN 3115 Image Production and Evaluation II	3
RLTN 3116 Radiobiology and Radiation Protection	3
RLTN 3117 Quality Control in Radiologic Technology	2
RLTN 3140 Radiographic Procedures II	5
RLTN 4030 Radiographic Procedures III	3
RLTN 4032 Clinical Education III	2
RLTN 4084 Clinical Education IV	3
RLTN 4085 Clinical Education V	3
RLTN 4116 Radiation Physics	4
RLTN 4550 Radiographic Pathology	3
RLTN 4570 Management in Radiographic Technology	2
RLTN 4580 Research Methodology in Radiographic Technology	3
RLTN 4590 Registry Review for Radiographic Technologists	3

**Department of Biology****College of Science and Mathematics**

Location: Sundquist Science Complex, D125

Phone: 931-221-7781

Website: [www.apsu.edu/biol\\_page/](http://www.apsu.edu/biol_page/)

Austin Peay State University's department of biology provides an intellectual and motivational environment for career development in many areas of biology. Students can pursue training in field biology and zoology, animal and plant physiology, microbiology, and environmental assessment.

**BIOLOGY (B.S.)**

The program of study in biology provides students with a broad training in the diverse areas of biological sciences.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Lower Division Major Requirements</b>	<b>14</b>
BIOL 1110 Principles of Biology	4
CHEM 1110 General Chemistry I	5
CHEM 1120 General Chemistry II	5
<b>Upper Division Major Requirements</b>	<b>28</b>
BIOL 3050 Microbial Diversity	4
BIOL 3060 Zoological Diversity	4
BIOL 3070 Botanical Diversity	4
BIOL 4080 General Ecology	4
BIOL 4130 Genetics	4
BIOL 4440 Cell and Molecular Biology	4
BIOL 4110 or 4120 Animal Physiology or Plant Physiology	4
<b>Major Electives</b>	<b>4</b>
BIOL 3330 Principles of Evolution	4
BIOL 3730 Medical Microbiology	4
BIOL 3760 Immunology and Serology	4
BIOL 4020 Biological Sciences and Geographic Information Systems	4
BIOL 4040 Histology	4
BIOL 4050 Field Botany	4
BIOL 4070 Animal Behavior	4
BIOL 4100 Biostatistics	4
BIOL 4160 Human Physiology	4
BIOL 4200 General Embryology	4
BIOL 4300 Bacteriology	4
BIOL 4340 Phycology	4
BIOL 4350 Field Zoology	4
BIOL 4450 Biotechnology	4

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BIOL 4500	Research	4
BIOL 4540	Plant Ecology	4
BIOL 4560	Aquatic Macroinvertebrates	4
BIOL 4600	Parasitology	4
BIOL 4620	Ornithology	4

**Free Electives** **40**

Any course in the University curriculum

**Total Hours** **120**

**MINOR** **Credit Hours**  
**30**

BIOL 1110	Principles of Biology	4
CHEM 1110	General Chemistry I	5
CHEM 1120	General Chemistry II	5

**Series 1** 4

BIOL 3050 or 3060 or 3070  
Microbial Diversity or Zoological Diversity  
or Botanical Diversity

**Series 2** 4

BIOL 4050 or 4080 or 4350  
Field Botany or General Ecology or Field Zoology

**Series 3** 4

BIOL 4110 or 4120 or 4440  
Animal Physiology or Plant Physiology  
or Cell and Molecular Biology

**Series 4** 4

BIOL 3330 or 4130  
Principles of Evolution or Genetics

The minor must include four (4) hours each from botany and zoology courses selected with advisor approval.

### DISTRIBUTIVE BIOLOGY (B.S.)

This program of study in biology provides students with a broad training in the diverse areas of biological sciences.

<b>General Education (see TBR Common Core)</b>	<b>Credit Hours</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>41</b>
	<b>1</b>
<b>Lower Division Major Requirements</b>	<b>14</b>
BIOL 1110 Principles of Biology	4
CHEM 1110 General Chemistry I	5
CHEM 1120 General Chemistry II	5

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<b>Upper Division Major Requirements</b>	<b>24</b>
BIOL 3050      Microbial Diversity	4
BIOL 3060      Zoological Diversity	4
BIOL 3070      Botanical Diversity	4
<b>Series 1</b>	4
BIOL 4050 or 4080 or 4350 Field Botany or General Ecology or Field Zoology	
<b>Series 2</b>	4
BIOL 4110 or 4120 or 4440 Animal Physiology or Plant Physiology or Cell and Molecular Biology	
<b>Series 3</b>	4
BIOL 3330 or 4130 Principles of Evolution or Genetics	
<b>Required Related Courses</b>	<b>16 or 18</b>
<i>Complete two options from the following three options:</i>	
<b>Option 1</b>	10
PHYS 2010      College Physics I	
PHYS 2020      College Physics II	
<b>Option 2</b>	8
GEOL 1040      Physical Geology	
GEOL 1050      Historical Geology	
<b>Option 3</b>	8
Any lab based 3000-4999 level CHEM	
<b>Free Electives</b>	<b>30 or 32</b>
Any course in the University curriculum	
<b>Total Hours</b>	<b>120</b>

### BIOLOGY TEACHING MAJOR (B.S.)

This major may only be applied to licensure for grades 7-12, and must be accompanied by the Professional Education minor.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
MATH 1530      Statistics recommended core math option	
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Lower Division Major Requirements</b>	<b>4</b>
BIOL 1110      Principles of Biology	4
<b>Upper Division Major Requirements</b>	<b>51</b>
BIOL 3060      Zoological Diversity	4
BIOL 3070      Botanical Diversity	4
BIOL 4080      General Ecology	4

BIOL 4440	Cell and Molecular Biology	4
BIOL 4400	Teaching Science in High School	3

**Series 1** **4**

BIOL 4110 or 4120	Animal Physiology or Plant Physiology	
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**Series 2** **4**

BIOL 3050 or 3330 or 4130	Microbial Diversity or Principles of Evolution or Genetics	
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**Required Related Courses** **24**

*Complete selections from the following three series:*

**Series 1 (8-hour chemistry series)** **8**

CHEM 1010	Chemistry Society and Environment I	
CHEM 1020	Chemistry Society and Environment II	
	OR	
CHEM 1110	General Chemistry I	
CHEM 1120	General Chemistry II	

**Series 2 (8-hour physics series)** **8**

**Option 1**

PHYS/CHEM 1710 Introduction to Chemistry and Physics

*and one of the following*

ASTR 1010	Planetary Astronomy	
	OR	
ASTR 1020	Stellar Astronomy	

**Option 2**

PHYS 1010	Conceptual Physics I	
PHYS 1020	Conceptual Physics II	

**Series 3 (8-hour geology series)** **8**

GEOL 1040	Physical Geology	
GEOL 1050	Historical Geology	

**Credit Hours**  
**23**

**PROFESSIONAL EDUCATION MINOR**

**Required for licensure in all endorsement areas:  
K-6, 4-8, 7-12, and K-12**

Required for licensure in all endorsement areas: K-6, 4-8, 7-12, and K-12. Successful completion of this minor, successful completion of Clinical Practice (with seminar), and Tennessee-mandated licensure examinations leads to teaching licensure for grades K-6, 4-8, 5-8, 7-12, and K-12. Testing requirements, electronic portfolio development, and other pre-requisites for provisional admission and full admission to Teacher Education will require consultation with an education advisor. For students not seeking licensure but a minor in Professional Education, contact the School of Education Director.

EDUC 2100	Foundations of Education	2
EDUC 3040	Instructional Technology	3
EDUC 3070	Instructional Strategies	3

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EDUC 4080	Classroom Management	3
EDUC 4160	Teaching Diverse Students	3
EDUC 4270	Evaluation and Assessment	3
PSY 3130	Introduction to Educational Psychology	3
SPED 3000	Introduction to Special Education	3

### Free Electives

Any course in the University curriculum

**Total Hours** **120**

### BIOLOGY TEACHING ADD-ON ENDORSEMENT

Students who hold an undergraduate degree, Tennessee licensure, and are admitted to the University may complete the following program to obtain an endorsement to teach biology in Tennessee secondary schools.

#### Upper Division Major Requirements **20**

BIOL 3060	Zoological Diversity	4
BIOL 3070	Botanical Diversity	4
BIOL 4080	General Ecology	4

#### Series 1 **4**

BIOL 4110 or 4120 or 4440

Animal Physiology or Plant Physiology  
or Cell and Molecular Biology

#### Series 2 **4**

BIOL 3050 or 3330 or 4130

Microbial Diversity or Principles of Evolution  
or Genetics

## Pre-Physical Therapy

The Pre-Physical Therapy program of study provides a guide for satisfying the various academic requirements for graduate Physical Therapy (PT) programs. A major in Biology with a minor in either Health and Human Performance will meet the general requirements of most programs. However, most graduate-level Physical Therapy programs do not require a specific major, but do require a baccalaureate degree. For more information, contact the Biology Department at 931-221-7781 or email [www.apsu.edu/biol\\_page/](http://www.apsu.edu/biol_page/)

## Department of Chemistry

### College of Science and Mathematics

Location: Sundquist Science Complex, A308

Phone: 931-221-7626

Website: [http://www.apsu.edu/chem\\_page/](http://www.apsu.edu/chem_page/)

The department strives to prepare its students for a wide variety of career options. Graduates directly enter the workforce as highly skilled chemists or teachers, or pursue further education upon entrance to professional schools (graduate, medicine, dentistry, pharmacy).

**CHEMISTRY - ACS Certified (B.S.)**

Students who complete the prescribed courses with a grade of “C” or better in each will be certified to the American Chemical Society (ACS) as having completed a course of study which is appropriate for a professional chemist and has been approved by the ACS. The maximum number of transfer credits in chemistry is 16 hours from a community college or four-year college without an ACS approved program, or 32 hours from a four-year college with an ACS approved program.

**ACCREDITATION**

The Chemistry Department received accreditation by the American Chemical Society (ACS) in 1991 and continues its commitment to maintaining this accreditation.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
 <b>Specific General Education Requirements</b>	 <b>20</b>
MATH 1910      Calculus and Analytic Geometry	5
MATH 1920      Calculus and Analytic Geometry	5
PHYS 2110      University Physics	5
PHYS 2120      University Physics	5
 <b>Lower Division Major Requirements</b>	 <b>10</b>
CHEM 1110      General Chemistry	5
CHEM 1120      General Chemistry	5
 <b>Upper Division Major Requirements</b>	 <b>36</b>
CHEM 3210      Quantitative Analysis	4
CHEM 3220      Instrumental Analysis	4
CHEM 3440      Inorganic Chemistry	4
CHEM 3510      Organic Chemistry	4
CHEM 3520      Organic Chemistry	4
CHEM 3610      Physical Chemistry	4
CHEM 3620      Physical Chemistry	4
CHEM 4000      Seminar	1
CHEM 4310      Biochemistry	4
CHEM 4940      Elements of Research	2
CHEM 4990      Research Thesis	1
 <b>Major Electives</b>	 <b>4</b>
CHEM 4240      Advanced Instrumental Methods	4
CHEM 4320      Biochemistry	4
CHEM 4440      Advanced Inorganic Chemistry	4
CHEM 4540      Organic Spectroscopy	4
CHEM 4550      Advanced Organic Chemistry	4

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### CHEMISTRY (B.S.)

Transfer students are required to complete two (2) semesters of resident chemistry courses.

#### ACCREDITATION

The Chemistry Department received accreditation by the American Chemical Society (ACS) in 1991 and continues its commitment to maintaining this accreditation.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>15</b>
<i>Five hours of MATH and one sequence of PHYS:</i>	
MATH 1720      Trigonometry	3
or	
MATH 1730      Precalculus	4
MATH 1810      Elements of Calculus	3
MATH 1820      Elements of Calculus	3
MATH 1910      Calculus and Analytic Geometry	5
MATH 1920      Calculus and Analytic Geometry	5
PHYS 2010      College Physics	5
PHYS 2020      College Physics	5
or	
PHYS 2110      University Physics	5
PHYS 2120      University Physics	5
<b>Lower Division Major Requirements</b>	<b>10</b>
CHEM 1110      General Chemistry	5
CHEM 1120      General Chemistry	5
<b>Upper Division Major Requirements</b>	<b>17</b>
CHEM 3210      Quantitative Analysis	4
CHEM 3440      Inorganic Chemistry	4
CHEM 3500      Brief Organic Chemistry	4
or	
CHEM 3510      Organic Chemistry	4
CHEM 3610      Physical Chemistry	4
CHEM 4000      Seminar	1
<i>Complete any two sequences:</i>	<b>8</b>
CHEM 3210      Quantitative Analysis	4
CHEM 3220      Instrumental Analysis	4
CHEM 3440      Inorganic Chemistry	4
CHEM 4440      Advanced Inorganic Chemistry	4

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CHEM 3510	Organic Chemistry	4
CHEM 3520	Organic Chemistry	4
CHEM 3610	Physical Chemistry	4
CHEM 3620	Physical Chemistry	4
CHEM 4310	Biochemistry	4
CHEM 4320	Biochemistry	4
<b>Major Electives</b>		<b>3</b>
CHEM 3220	Instrumental Analysis	4
CHEM 3520	Organic Chemistry	4
CHEM 3620	Physical Chemistry	4
CHEM 3700	Forensic Science	3
CHEM 3840	Chemical Literature	3
CHEM 4240	Advanced Instrumental Methods	4
CHEM 4310	Biochemistry	4
CHEM 4340	Advanced Biochemistry	4
CHEM 4350	Physical Biochemistry	4
CHEM 4440	Advanced Inorganic Chemistry	4
CHEM 4540	Organic Spectroscopy	4
CHEM 4550	Advanced Organic Chemistry	4
CHEM 4840	Selected Topics in Chemistry	3
CHEM 4940	Elements of Research	2
CHEM 4990	Research Thesis	1

NOTE: Concentration is not necessary to be a Chemistry Major.

### BIOCHEMISTRY CONCENTRATION

This concentration of the chemistry major provides a curriculum well suited for students with interests at the intersection of biology and chemistry. This concentration is distributive and sets forth a curriculum geared toward professional careers and prepares students for entry into the biotechnology workforce or for graduate school in the biomedical sciences. Preprofessional students (premedicine, predentistry, prepharmacy) are encouraged to follow this program.

		<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>		<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>		<b>1</b>
<b>Specific General Education Requirements</b>		<b>19</b>
BIOL 1110	Principles of Biology	4
MATH 1910	Calculus and Analytic Geometry	5
or		
MATH 1920	Calculus and Analytic Geometry	5
PHYS 2010	College Physics	5
PHYS 2020	College Physics	5
or		

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PHYS 2110	University Physics	5
PHYS 2120	University Physics	5

### Lower Division Major Requirements **10**

CHEM 1110	General Chemistry	5
CHEM 1120	General Chemistry	5

### Upper Division Major Requirements **49**

CHEM 3210	Quantitative Analysis	4
CHEM 3220	Instrumental Analysis	4
or		
CHEM 3440	Inorganic Chemistry	4
CHEM 3510	Organic Chemistry	4
CHEM 3520	Organic Chemistry	4
CHEM 3610	Physical Chemistry	4
CHEM 4000	Seminar	1
CHEM 4310	Biochemistry	4
CHEM 4320	Biochemistry	4
CHEM 4340	Advanced Biochemistry	4
BIOL 3050	Microbial Diversity	4
BIOL 4130	Genetics	4
BIOL 4450	Biotechnology	4

### Major Electives **4**

BIOL 4110	Animal Physiology	4
BIOL 4120	Plant Physiology	4
BIOL 4160	Human Physiology	4

### FORENSIC SCIENCE CONCENTRATION

This concentration is designed to meet the minimum requirements for a student to attend a graduate program in forensic science, or to apply for a position in a forensic science lab (although each program may have additional requirements). This concentration fulfills a growing need for students who desire to enter into forensics, a career that utilizes a hearty combination of chemistry, biology, calculus, and physics.

<b>General Education (see TBR Common Core)</b>	<b>Credit Hours</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>41</b>
	<b>1</b>

### Specific General Education Requirements **24-26**

BIOL 1110	Principles of Biology	4
BIOL 2010	Anatomy and Physiology	4
MATH 1530	Statistics	3
MATH 1810	Elements of Calculus	3
or		
MATH 1910	Calculus and Analytic Geometry	5

## College of Science and Mathematics 203

PHYS 2010	College Physics	5
PHYS 2020	College Physics	5
or		
PHYS 2110	University Physics	5
PHYS 2120	University Physics	5

### **Lower Division Major Requirements 10**

CHEM 1110	General Chemistry	5
CHEM 1120	General Chemistry	5

### **Upper Division Major Requirements 49-51**

BIOL 2300	Principles of Microbiology	4
or		
BIOL 3050	Microbial Diversity	4
BIOL 3940	Clinical Analysis	4
BIOL 4130	Genetics	4
BIOL 4450	Biotechnology	4
or		
CHEM 3610	Physical Chemistry	4
CHEM 3210	Quantitative Analysis	4
CHEM 3220	Instrumental Analysis	4
CHEM 3440	Inorganic Chemistry	4
CHEM 3510	Organic Chemistry	4
CHEM 3520	Organic Chemistry	4
CHEM 3700	Forensic Science	3
CHEM 4000	Seminar	1
CHEM 4310	Biochemistry	4
CHEM 4320	Biochemistry	4
CHEM 4790	Forensic Chemistry Internship	1-3

### **Major Electives 3**

PM 3170	Criminal Law	3
PM 3180	Criminal Procedures	3
POLS 4300	Judicial Politics and Behavior	3
PSY 3330	Social Psychology	3
PSY 4360	Abnormal Psychology	3

### **CHEMISTRY MINOR Credit Hours 22**

CHEM 1110	General Chemistry	5
CHEM 1120	General Chemistry	5

*Complete any one sequence:*

CHEM 3210	Quantitative Analysis	4
CHEM 3220	Instrumental Analysis	4
CHEM 3440	Inorganic Chemistry	4
CHEM 4440	Advanced Inorganic Chemistry	4

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CHEM 3510	Organic Chemistry	4
CHEM 3520	Organic Chemistry	4
CHEM 3610	Physical Chemistry	4
CHEM 3620	Physical Chemistry	4
CHEM	Chemistry Elective	4

### FORENSIC CHEMISTRY MINOR

**Credit Hours**  
**29**

This minor is designed to meet the minimum requirements for a student to attend a graduate program in forensic science or to apply for a position in a forensic science laboratory (although each program may have additional requirements).

CHEM 1110	General Chemistry	5
CHEM 1120	General Chemistry	5
CHEM 3210	Quantitative Analysis	4
CHEM 3700	Forensic Science	3
CHEM 3220	Instrumental Analysis	4
or		
CHEM 3440	Inorganic Chemistry	4
CHEM 3500	Brief Organic Chemistry	4
or		
CHEM 3510	Organic Chemistry	4
BIOL 3940	Fundamentals of Clinical Analysis	4
or		
BIOL 4450	Biotechnology	4

### CHEMISTRY - Teaching (B.S.)

Students who complete the prescribed courses are eligible to become licensed to teach chemistry and general science in grades 7-12. (Student teaching is required for licensure.) An additional science endorsement may be obtained with advisor approval.

### ACCREDITATION

The Chemistry Department received accreditation by the American Chemical Society (ACS) in 1991 and continues its commitment to maintaining this accreditation.

### General Education (see TBR Common Core)

**Credit Hours**

**41**

### University-Wide Freshman Seminar Requirement

**1**

### Lower Division Major Requirements

**33-37**

CHEM 1110	General Chemistry	5
CHEM 1120	General Chemistry	5

PHYS 1010, 1020	Conceptual Physics	8
or		
PHYS 2010, 2020	College Physics	10
or		
PHYS 2110, 2120	University Physics	10

BIOL 1110	Principles of Biology	4
GEOL 1040	Physical Geology	4
GEOL 1050	Historical Geology	4

MATH 1810	Elements of Calculus	3
or		
MATH 1910	Calculus and Analytic Geometry	5

**Upper Division Major Requirements 15**

CHEM 3210	Quantitative Analysis	4
CHEM 3440	Inorganic Chemistry	4
CHEM 3610	Physical Chemistry	4
CHEM 4400	Teaching Science in High School	3

**Major Electives 8**

CHEM 3500	Brief Organic Chemistry	4
or		
CHEM 3510	Organic Chemistry	4
CHEM 4300	Brief Biochemistry	4
or		
CHEM 4310	Biochemistry	4

**PROFESSIONAL EDUCATION MINOR 35**

Successful completion of this minor, Clinical Practice (with seminar), and Tennessee-mandated licensure examinations leads to teaching licensure for grades K-6, 4-8, 5-8, 7-12, and K-12. Testing requirements, electronic portfolio development, and other prerequisites for provisional admission and full admission to Teacher Education will require consultation with an education advisor. For students not seeking licensure but a minor in Professional Education, contact the School of Education Director.

EDUC 2100	Foundations of Education	2
EDUC 3040	Instructional Technology	3
EDUC 3070	Instructional Strategies	3
EDUC 4080	Classroom Management	3
EDUC 4160	Teaching Diverse Students	3
EDUC 4270	Evaluation and Assessment	3
PSY 3130	Introduction to Educational Psychology	3
SPED 3000	Introduction to Special Education	3

**PreDental Hygiene (Two-Year Transfer Program)****Department of Chemistry****College of Science and Mathematics**

Location: Sundquist Science Complex, A312

Phone: 931-221-7627

Website: [www.apsu.edu/chem\\_page](http://www.apsu.edu/chem_page)

Students who expect to apply for admission to a school of dental hygiene should obtain, from that school, the pre dental hygiene curriculum requirements since requirements may vary among schools. The two-year program of pre dental hygiene study described below is designed primarily for those students who intend to apply for admission to the University of Tennessee (Memphis) Department of Dental Hygiene.

**Admission Requirements**

Admission to the dental hygiene program is competitive. A minimum grade point average of 2.00 is required. However, in order for an applicant to be competitive, the minimum GPA should be 2.5.

	<b>Credit Hours</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>24</b>
ENGL 1010      English Composition I	3
ENGL 1020      English Composition II	3
ENGL 2030      Traditions in World Literature	3
PSY 1010        General Psychology	3
SOC 2010        Introduction to Sociology	3
SOC 2050        Social Problems	3
COMM 1010      Fundamentals of Public Speaking	3
MATH 1010      Mathematical Thought and Practice	3
<b>Lower Division Major Requirement</b>	<b>28</b>
BIOL 1010        Principles of Life	4
BIOL 1020        Diversity of Life	4
BIOL 2010        Human Anatomy and Physiology	4
BIOL 2020        Human Anatomy and Physiology	4
BIOL 2300        Principles of Microbiology	4
CHEM 1010        Chemistry: Society and the Environment	4
CHEM 1020        Chemistry: Society and the Environment	4
<b>Electives</b>	<b>7</b>

## PreDentistry (Three- or Four-Year Program)

### Department of Chemistry

#### College of Science and Mathematics

Location: Sundquist Science Complex, A312

Phone: 931-221-7627

Website: [www.apsu.edu/chem\\_page/](http://www.apsu.edu/chem_page/)

The pre dental curriculum is designed to meet the requirements of the College of Dentistry of the University of Tennessee at Memphis. Most pre dental students complete a bachelor's degree before entering dental school. A degree in absentia is available from APSU upon satisfactory completion of the first year of dental school, provided degree before in absentia requirements have been met (see page 73).

### Program Requirements

The DAT (Dental Admissions Test) should be taken in the spring semester of the junior year.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
*Science Requirements (see below for General Education).	
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Minimum Requirements</b>	<b>92</b>
<i>*Must include the following:</i>	
General Biology	8
Chemistry (General and Organic)	18
General Physics	10
English (Composition and/or Literature)	6
Electives	50
<b>Lower Division Requirements</b>	<b>41</b>
BIOL 1110 Principles of Biology	4
BIOL 2010 Human Anatomy and Physiology	4
BIOL 2020 Human Anatomy and Physiology	4
CHEM 1110 General Chemistry	5
CHEM 1120 General Chemistry	5
MATH 1730 Precalculus	4
MATH 1910 Calculus and Analytic Geometry	5
PHYS 2010 College Physics	5
PHYS 2020 College Physics	5
<b>Upper Division Requirements</b>	<b>24</b>
BIOL 3060 Zoological Diversity	4
BIOL 4130 Genetics	4
CHEM 3210 Quantitative Analysis	4
CHEM 3220 Instrumental Analysis	4
CHEM 3510 Organic Chemistry	4
CHEM 3520 Organic Chemistry	4

**Electives****6**

It is strongly recommended that elective courses be chosen from the following: biochemistry, upper division biology courses (e.g., genetics, comparative anatomy, developmental biology, cell biology, histology, microbiology, molecular biology, physiology, and neurobiology). Suggested non-science coursework should be selected from courses in the social sciences, philosophy, psychology, business administration, economics, public speaking, and computer science.

**PreMedicine (Four-Year Program)****Department of Chemistry****College of Science and Mathematics**

Location: Sundquist Science Complex, C303

Phone: 931-221-6298

Website: [www.apsu.edu/chem\\_page/](http://www.apsu.edu/chem_page/)

Accredited schools of medicine regularly require that the applicant hold a bachelor's degree. The completion of the following curriculum leads to the bachelor's degree conferred by APSU before the student attends the professional school. The premedical curriculum is designed to meet the requirements of the University of Tennessee, Memphis.

Since competition for positions in medical schools is very keen, completion of all these enumerated requirements in no way guarantees that the applicant will be admitted to a medical school. The applicant should always have an alternate career in mind and should select his/her major, minor, and electives in such a way as to support the alternate career. Students should complete a strong major and minor.

It is important to have a strong academic record with a good foundation in the basic sciences and liberal arts. See the web page at [www.apsu.edu/robertsonr/premed/premedadvisement.htm](http://www.apsu.edu/robertsonr/premed/premedadvisement.htm) for more detailed information and links to medical schools.

**ADMISSION INTO MEDICAL SCHOOL**

Most medical schools require the applicant to:

- Take the Medical College Admission Test (MCAT)
- Be interviewed personally by the medical school

**Specific Requirements**

General Biology (8 hours)

General Chemistry (10 hours)

Organic Chemistry (8 hours)

General Physics (10 hours)

English Composition (6 hours)

- Behavioral sciences (psychology, sociology, etc.) ARE considered valuable.
- The degree applicant must have an excellent academic record.
- Higher mathematics, computer courses, languages, literature, philosophy, history, political science, and statistics SHOULD be considered to round out the pre-med curriculum.
- CHECK with the medical school to determine additional required courses for admission.
- Although a chemistry and biology combination is suggested here, medical schools do not specify what major to pursue and regularly accept applicants from a variety of majors.

**Requirements when applicant reaches junior and senior years:**

Students should take the MCAT in the spring of the junior year or in the summer between the junior and senior years. Application to medical school should be made early in the summer between the junior and senior years.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>16-18</b>
MATH 1730      Precalculus	4
MATH 1810      Elements of Calculus	3
or	
MATH 1910      Calculus and Analytic Geometry	5
HIST 2010      American History I	3
HIST 2020      American History II	3
ENGL 1100      Technical Writing	3
<b>Lower Division Requirements</b>	<b>24</b>
BIOL 1110      Principles of Biology	4
CHEM 1110      General Chemistry	5
CHEM 1120      General Chemistry	5
PHYS 2010      College Physics	5
PHYS 2020      College Physics	5
<b>Upper Division Requirements</b>	<b>32</b>
BIOL 3050      Microbial Diversity	4
BIOL 3060      Zoological Diversity	4
BIOL 4130      Genetics	4
BIOL 4440      Cell and Molecular Biology	4
CHEM 3510      Organic Chemistry	4
CHEM 3520      Organic Chemistry	4
CHEM 4310      Biochemistry	4
CHEM 4320      Biochemistry	4
<b>Major Courses</b>	<b>16</b>
<b>Electives</b>	<b>15</b>
<p>It is strongly recommended that elective courses be chosen from the following: biochemistry, upper division biology courses (e.g., genetics, comparative anatomy, developmental biology, cell biology, histology, microbiology, molecular biology, physiology, and neurobiology). Suggested non-science coursework should be selected from courses in the social sciences, philosophy, psychology, business administration, economics, public speaking, and computer science.</p>	

## PrePharmacy (Two-Year Transfer Program)

### Department of Chemistry College of Science and Mathematics

Location: Sundquist Science Complex, A312

Phone: 931-221-7627

Website: [www.apsu.edu/chem\\_page/](http://www.apsu.edu/chem_page/)

Most pharmacy schools require at least two years of pre-pharmacy work (60+ credits), and many require at least three years (90+ credits). See the three-year program on the next page. The following program is designed to meet the two-year requirements.

Students should obtain from the pharmacy school to which they intend to apply, a complete listing of the admission requirements. Since admissions requirements vary among schools, the program below may need to be modified to fit the requirements of a particular pharmacy school.

### Requirements for Pharmacy Schools

Many pharmacy schools require applicants to take the Pharmacy College Admission Test (PCAT)

	<b>Credit Hours</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>21</b>
ENGL 1010      English Composition I	3
ENGL 1020      English Composition II	3
MATH 1530      Elements of Statistics	3
COMM 1010      Fundamentals of Public Speaking	3
PSY 1010*      General Psychology	3
<i>Select two from:</i>	
HIST 2010      American History I	3
HIST 2020      American History II	3
HIST 2030      History of Tennessee	3
<b>Lower Division Requirements</b>	<b>33</b>
BIOL 1110      Principles of Biology	4
BIOL 2300      Principles of Microbiology	4
CHEM 1110      General Chemistry	5
CHEM 1120      General Chemistry	5
MATH 1910      Calculus and Analytic Geometry	5
PHYS 2010      College Physics	5
PHYS 2020      College Physics	5

\*In addition to psychology, three (3) hours should be selected from Social Science (see TBR Common Core): political science, economics, or sociology.

## PrePharmacy (Three-Year Transfer Program)

### Department of Chemistry

#### College of Science and Mathematics

Location: Sundquist Science Complex, A312

Phone: 931-221-7627

Website: [www.apsu.edu/chem\\_page/](http://www.apsu.edu/chem_page/)

Most pharmacy schools require at least two years of pre-pharmacy work (60+ credits). See the two-year program on the previous page. However, many pharmacy schools require at least three years (90+ credits). The following program is designed to meet the three-year requirements.

Students should obtain from the pharmacy school to which they intend to apply, a complete listing of the admission requirements. Since admission requirements vary among schools, the program below may need to be modified to fit the requirements of a particular pharmacy school.

Students in the three-year program desiring to earn a degree in *in absentia* may do so by meeting the requirements on page 73.

### Requirements for Pharmacy Schools

Many pharmacy schools require applicants to take the Pharmacy College Admission Test. (PCAT)

	<b>Credit Hours</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education Requirements</b>	<b>33</b>
ENGL 1010      English Composition I	3
ENGL 1020      English Composition II	3
ENGL 2030*    Traditions in World Literature	3
MATH 1530      Elements of Statistics	3
MATH 1730      Precalculus	4
MATH 1910      Calculus and Analytic Geometry	5
HIST 2010*     American History I	3
ART 1030        Art Appreciation	3
PSY 1010        General Psychology	3
ECON 2010      Principles of Macroeconomics	3
<b>Lower Division Requirements</b>	<b>36</b>
CHEM 1110      General Chemistry	5
CHEM 1120      General Chemistry	5
BIOL 1110      Principles of Biology	4
BIOL 2300      Principles of Microbiology	4
BIOL 2010      Human Anatomy and Physiology	4
BIOL 2020      Human Anatomy and Physiology	4
PHYS 2010      College Physics	5
PHYS 2020      College Physics	5

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<b>Upper Division Requirements</b>		<b>24</b>
BIOL 3060	Zoological Diversity	4
BIOL 3760	Immunology and Serology	4
CHEM 3510	Organic Chemistry	4
CHEM 3520	Organic Chemistry	4
CHEM 4310	Biochemistry	4
CHEM 4320	Biochemistry	4

\*UT Memphis requires six (6) hours from literature, history, language, or philosophy. Other schools require both history and literature.

## PreProfessional Health

### College of Science and Mathematics

As an additional option to the preprofessional curricula offered in dentistry, pharmacy, medicine, and veterinary medicine, APSU offers preprofessional programs of study in dental hygiene, optometry, and physical therapy. Other preprofessional programs are provided by special faculty advisement. Professional programs in the Allied Health specialties of Medical Technology and Radiological Technology are offered by the Department of Allied Health.

Qualified graduates in these areas are in demand to fill positions in the health-care field, such as public health units, hospitals, research and industrial laboratories, medical clinics, military service units, and university laboratories.

## Department of Computer and Information Science

### College of Science and Mathematics

Location: Claxton, 304

Phone: 931-221-7840

Website: [www.apsu.edu/csit](http://www.apsu.edu/csit)

### COMPUTER AND INFORMATION SCIENCE (B.S.)

The Bachelor of Science degree with a major in Computer Science and Information Systems has four concentrations. A student must complete one of the concentrations and either a minor or a second concentration. A minor in General Business is recommended for the Information Systems, Internet and Web Technology, and Database Administration concentrations. Students in the Computer Science concentration may earn a mathematics minor by taking one additional course, MATH 2110.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>

**Select one of the following concentrations:**

**COMPUTER SCIENCE CONCENTRATION**

**Credit Hours  
50**

This program concentrates on the technical areas of computing with an emphasis on programming and algorithm design. It includes a significant mathematics component.

CSCI 1010	Introduction to Programming I	3
CSCI 2010	Introduction to Programming II	3
CSCI 3250	Data Structures and Algorithm Analysis	3
CSCI 3400	Computer Organization I	3
CSCI 3410	Computer Organization II	3
CSCI 4100	Operating Systems and Architecture	3
CSCI 4230	Programming Languages	3
CSCI 4800	Computer Science and Information Systems Seminar	1
CSCI 2060 or CSCI 2070 or CSCI 2080	ANS COBOL Programming or Programming in Selected Languages I or Programming in Selected Languages II	3
MATH 1910	Calculus and Analytic Geometry	5
MATH 1920	Calculus and Analytic Geometry	5
MATH 3000	Discrete Mathematics	3
MATH 3450	Linear Algebra	3
MATH 4670	Numerical Analysis	3

*Select two from:*

CSCI 3005	Object-Oriented Programming	3
CSCI 3500	Theory of Automata, Formal Languages, and Computation	3
CSCI 4350	Compiler Design	3
CSCI 4400	Principles of Database Management	3
CSCI 4450	Introduction to Artificial Intelligence	3
CSCI 4500	Introduction to Computer Networks	3
CSCI 4550	Computer Graphics	3
CSCI 4600	Software Design and Development	3
CSCI 4700	Symbolic Logic for Mathematics and Computer Science	3

**Minor (if mathematics is not chosen as a minor)**

**18**

**Electives**

**13-31**

In consultation with advisor

**INFORMATION SCIENCE CONCENTRATION**

**Credit Hours  
43 or 45**

This program is intended for those who plan to work in some area of computer applications in the business field. Areas of study include data communications, database management, and systems analysis and design, along with an emphasis on programming in several languages that are useful for business applications.

CSCI 1010	Introduction to Programming I	3
CSCI 2010	Introduction to Programming II	3
CSCI 2060	ANS COBOL Programming	3

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CSCI 2070	Programming in Selected Languages I	3
CSCI 3020	File Processing	3
CSCI 3200	Principles of Information Security	3
CSCI 3400	Computer Organization I	3
CSCI 3700	Data Communications and Networking	3
CSCI 4100	Operating Systems and Architecture	3
CSCI 4400	Principles of Database Management	3
CSCI 4750	Systems Analysis and Design	3
CSCI 4800	Computer Science and Information Systems Seminar	1
MATH 1530	Elements of Statistics	3
MATH 1810	Elements of Calculus	3
	or	
MATH 1910	Calculus and Analytic Geometry	5
ENGL 1100	Technical and Report Writing	3

### Minor or Second Concentration 1 18

#### Electives 17-23

In consultation with advisor

#### Credit Hours 37

### DATABASE ADMINISTRATION CONCENTRATION

This program trains students in the design, implementation, and administration of databases, including those accessed by Web applications.

GB 3010	e-Commerce Basics I	3
CSCI 1005	Computer Hardware, Software, and Programming Concepts	3
CSCI 1015 or CSCI 1016		3
	Introduction to Computer Programming or Introduction to Visual Basic Programming	
CSCI 3000	Data Modeling	3
CSCI 3200	Principles of Information Security	3
CSCI 3300	Introduction to Web Development	3
CSCI 3700	Data Communications and Networking	3
CSCI 4400	Principles of Database Management	3
CSCI 4750	Systems Analysis and Design	3
CSCI 4800	Computer Science and Information Systems Seminar	1
CSCI 4940	Internship in Information Technology	3
CSCI 4410 or 4420 or 4430		3
	Database Administration Using DB2 or Database Administration Using MS SQL Server or Database Administration Using Oracle	
CSCI 4610 or 4650		3
	Advanced Visual BASIC Programming or Introduction to Active Server Pages	

### Minor or Second Concentration 18

#### Electives 23

In consultation with advisor

**INTERNET AND WEB TECHNOLOGY CONCENTRATION**

**Credit Hours  
37**

This concentration trains students in the development and support of Internet applications. It emphasizes the construction of websites and the use of scripting languages.

CSCI 1005	Computer Hardware, Software, and Programming Concepts	3
CSCI 1015 or 1016	Introduction to Computer Programming or Introduction to Visual Basic Programming	3
CSCI 3200	Principles of Information Security	3
CSCI 3300	Introduction to Web Development	3
CSCI 3700	Data Communications and Networking	3
CSCI 4000	Advanced Web Development	3
CSCI 4050	Multimedia Tools and Techniques	3
CSCI 4400	Principles of Database Management	3
CSCI 4630	Web Server Administration	3
CSCI 4750	Systems Analysis and Design	3
CSCI 4800	Computer Science and Information Systems Seminar	1
CSCI 4940	Internship in Information Technology	3
CSCI 4390 or 4650	Introduction to Java Server Pages or Introduction to Active Server Pages	3

**Minor or Second Concentration 18**

**Electives 23**

In consultation with advisor

**COMPUTER SCIENCE CONCENTRATION**

**Credit Hours  
27-29**

CSCI 1010	Introduction to Programming I	3
CSCI 2010	Introduction to Programming II	3
CSCI 3400	Computer Organization I	3
CSCI 2060 or 2070 or 2080	ANS COBOL Programming or Programming in Selected Languages I or Programming in Selected Languages II	3
Six (6) hours of approved computer science courses numbered 3000 or greater		6
Math 1730	Precalculus or	4
Math 1810	Elements of Calculus or	3
Math 1910	Calculus and Analytic Geometry	5

**MINOR IN COMPUTER NETWORKING**

**Credit Hours  
18**

*(Requires Academic Council Approval)*

CSCI 1005	Computer Hardware, Software, and Programming Concepts	3
CSCI 3700	Data Communications and Networking	3
CSCI 4520	Network Security	3

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CSCI 3760 or 3770		3
	Linux Network Operating System Administration or Microsoft Windows Network Operating System Administration	
<i>Select two from:</i>		
CSCI 3870	Wireless Communications and Networking	3
CSCI 4670	Network Applications	3
CSCI 4770	Advanced Data Communications and Networking	3

## Department of Mathematics

### College of Science and Mathematics

Location: Claxton Building, 304

Phone: 931-221-7833

Website: <http://www.apsu.edu/mathematics/>

### MATHEMATICS MAJOR (B.S.)

The friendly faculty and staff in the Department of Mathematics are dedicated to providing a quality education in mathematics. We offer concentrations in mathematics, mathematics education, and statistics.

The study of mathematics will enhance your critical thinking skills and provide you with an excellent background for careers in almost any field, including science, engineering, education, law, and medicine.

	<b>Credit Hours</b>	
<b>General Education (see TBR Common Core)</b>	<b>41</b>	
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>	
<b>Lower Division Requirements for the Mathematics Core</b>	<b>16</b>	
CSCI 1010	Introduction to Programming I	3
MATH 1910	Calculus I	5
MATH 1920	Calculus II	5
MATH 2110	Calculus III	3
<b>Upper Division Requirements for the Mathematics Core</b>	<b>13</b>	
MATH 3010	Introduction to Mathematical Reasoning	3
MATH 3450	Linear Algebra	3
MATH 4240	Probability	3
MATH 4450	Mathematical Models	3
MATH 4810	Senior Seminar	1

NOTE: In addition to the major core, each student must select an area of concentration. Each concentration requires additional coursework.

### MATHEMATICS EDUCATION CONCENTRATION

The Mathematics Education concentration leads to a secondary certification in mathematics. The secondary certification licensure is designed for individuals desiring to teach mathematics in grades 7-12, in both middle and high-school settings. The Professional Education Minor is also required.

**The following courses are required for the concentration in mathematics education:**

**Credit Hours**

		<b>18</b>
MATH 3000	Discrete Mathematics	3
MATH 3250	Statistical Methods I	3
MATH 3630	College Geometry	3
MATH 4010	History of Mathematics	3
MATH 4110	Number Theory	3
MATH 4400	The Teaching of Secondary School Mathematics	3
MATH 4200	Mathematics Content and Pedagogy for Middle School	3

**PROFESSIONAL EDUCATION MINOR  
Required for licensure in all endorsement areas:  
K-6, 4-8, 7-12, and K-12**

**Credit Hours  
23**

Successful completion of this minor, successful completion of Clinical Practice (with seminar), and Tennessee-mandated licensure examinations leads to teaching licensure for grades K-6, 4-8, 5-8, 7-12, and K-12. Testing requirements, electronic portfolio development, and other prerequisites for provisional admission and full admission to Teacher Education will require consultation with an education advisor. For students not seeking licensure but a minor in Professional Education, contact the School of Education Director.

EDUC 2100	Foundations of Education	2
EDUC 3040	Instructional Technology	3
EDUC 3070	Instructional Strategies	3
EDUC 4080	Classroom Management	3
EDUC 4160	Teaching Diverse Students	3
EDUC 4270	Evaluation and Assessment	3
PSY 3130	Introduction to Educational Psychology	3
SPED 3000	Introduction to Special Education	3

**MATHEMATICS CONCENTRATION**

Mathematics provides elegant and effective tools for solving problems in virtually every area of human endeavor, from the sciences to business and economics to the social sciences, and is especially appealing to students who like to solve problems. The purpose of the mathematics concentration is to give students an understanding of the structure of mathematics, to stimulate their interest in research, and to prepare them for later work.

**The following courses are required for the concentration in mathematics:**

**Credit Hours**

		<b>12</b>
MATH 3120	Differential Equations I	3
MATH 3130	Differential Equations II	3
MATH 4250	Mathematical Statistics	3
MATH 4500	Modern Algebra	3

**Three (3) hours approved mathematics elective at the 3000 level**

**3**

*Select one from:*

MATH 3000	Discrete Mathematics	3
MATH 3250	Statistical Methods I	3

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MATH 3260	Statistical Methods II	3
MATH 3270	Experimental Design	3
MATH 3630	College Geometry	3

### Three (3) hours approved mathematics elective at the 4000 level **3**

Select one from:

MATH 4010	History of Mathematics	3
MATH 4110	Number Theory	3
MATH 4160	Complex Analysis	3
MATH 4210	Topology	3
MATH 4260	Stochastic Processes	3
MATH 4270	Nonparametric Statistics	3
MATH 4460	Applied Mathematics	3
MATH 4500	Modern Algebra	3
MATH 4670	Numerical Analysis	3
MATH 4710	Advanced Calculus	3
MATH 4900	Special Problems	3

### STATISTICS CONCENTRATION

Statistics is the science of gathering and analyzing data. Due to an increasing demand for statisticians, the Mathematics Department at Austin Peay State University has recently added a statistics concentration to the departmental major.

#### Credit Hours

#### The following courses are required for the concentration in statistics: **12**

MATH 3250	Statistical Methods I	3
MATH 3260	Statistical Methods II	3
MATH 3270	Experimental Design	3
MATH 4250	Mathematical Statistics	3

#### Six (6) hours of approved upper division electives, preferably including: **6**

MATH 4260	Stochastic Processes	3
MATH 4270	Nonparametric Statistics	3

Can also be selected from:

MATH 3000	Discrete Mathematics	3
MATH 3120	Differential Equations I	3
MATH 3130	Differential Equations II	3
MATH 3630	College Geometry	3
MATH 4010	History of Mathematics	3
MATH 4110	Number Theory	3
MATH 4160	Complex Analysis	3
MATH 4210	Topology	3
MATH 4460	Applied Mathematics	3
MATH 4670	Numerical Analysis	3
MATH 4710	Advanced Calculus	3
MATH 4900	Special Problems	3

<b>MATHEMATICS MINOR</b>		<b>Credit Hours</b>
MATH 1910	Calculus I	5
MATH 1920	Calculus II	5
MATH 2110	Calculus III	3
<i>Six (6) hours of approved upper division electives selected from:</i>		
MATH 3000	Discrete Mathematics	3
MATH 3010	Introduction to Mathematical Reasoning	3
MATH 3120	Differential Equations I	3
MATH 3130	Differential Equations II	3
MATH 3250	Statistical Methods I	3
MATH 3260	Statistical Methods II	3
MATH 3270	Experimental Design	3
MATH 3450	Linear Algebra	3
MATH 3630	College Geometry	3
MATH 4010	History of Mathematics	3
MATH 4110	Number Theory	3
MATH 4160	Complex Analysis	3
MATH 4210	Topology	3
MATH 4240	Probability	3
MATH 4250	Mathematical Statistics	3
MATH 4260	Stochastic Processes	3
MATH 4270	Nonparametric Statistics	3
MATH 4450	Mathematical Models	3
MATH 4460	Applied Mathematics	3
MATH 4500	Modern Algebra	3
MATH 4670	Numerical Analysis	3
MATH 4710	Advanced Calculus	3

**Add-On Endorsement**

MATH 1910	Calculus and Analytic Geometry	5
MATH 1920	Calculus and Analytic Geometry	5
MATH 3010	Introduction to Mathematical Reasoning	3
MATH 3450	Linear Algebra	3
MATH 3630	College Geometry	3
MATH 4400	The Teaching of Secondary School Mathematics	3

NOTE: Praxis code 10061-minimum 136, and code 20065-minimum 125. Student teaching may be required.

**Department of Physics and Astronomy****College of Science and Mathematics**

Location: Sundquist Science Complex, B332

Phone: 931-221-6116

Website: <http://www.apsu.edu/physics/>**PHYSICS (B.S.)**

What do computers, GPS, and CD players have in common? They all sprang from early technologies developed by physicists. Physicists lead the way in almost every new technology. They are well paid, and there is no shortage of career opportunities. Industries of all types are scanning graduating classes for bright problem-solvers with broad technical understanding—exactly what the physics department at APSU produces.

**PHYSICS MAJOR**

The traditional physics major is intended for students who plan to attend graduate school at the master's or doctoral level in fields of engineering, astronomy, or physics. A minor is required (a mathematics minor is recommended).

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>45</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Specific General Education requirements</b>	
PHYS 2110      University Physics (I)	5
PHYS 2120      University Physics (II)	5
MATH 1910      Calculus and Analytic Geometry (I)	5
<b>Lower Division Major Requirements</b>	<b>16</b>
MATH 1920      Calculus and Analytic Geometry (II)	5
MATH 2110      Calculus	3
CSCI 1010      Introduction to Programming I	3
<b>Upper Division Major Requirements</b>	<b>28</b>
PHYS 3005      Theoretical Methods	4
PHYS 3010      Intermediate Mechanics	3
PHYS 3030      Electricity and Magnetism	3
PHYS 3550      Experimental Methods	4
PHYS 3700      Modern Physics	4
PHYS 3800      Quantum Mechanics	3
PHYS 4000      Computational Methods	4
MATH 3120      Differential Equations	3
<b>Major Electives</b>	<b>6</b>
PHYS 3050      Introductory Circuits	4
PHYS 3060      Advanced Circuits	4
PHYS 3100      Optics	4
PHYS 3900      Nuclear and Radiation Physics	4
PHYS 4150/4160/4170	1-3
Special Topics in Physics	

PHYS 4151/4161/4171		1-3
	Research Experience	
PHYS 4200	Introduction to Solid State Physics	3
PHYS 4300	Image Processing	3
PHYS 4810	Theoretical Mechanics	3
PHYS 4830	Theoretical Electricity and Magnetism	3
PHYS 4850	Advanced Quantum Mechanics	3
PHYS 4950/4960/4970		1-3
	Independent Study in Physics	
8 hours of science or mathematics at any level		

**PHYSICS DISTRIBUTIVE MAJOR**

The emphasis of the distributive physics major is applied physics and interdisciplinary fields. This program can be tailored to the student who would like to move directly into the workforce or for one who would like to pursue graduate study in an applied field. Several emphases already exist such as Professional Management and Computational Methods.

	<b>Credit Hours</b>	
<b>General Education (see TBR Common Core)</b>	<b>45</b>	
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>	
<b>Specific General Education Requirements for this major</b>		
PHYS 2110      University Physics (I)	5	
PHYS 2120      University Physics (II)	5	
MATH 1910      Calculus and Analytic Geometry (I)	5	
<b>Lower Division Major Requirements</b>		
	<b>26</b>	
MATH 1920      Calculus and Analytic Geometry (II)	5	
MATH 2110      Calculus	3	
CSCI 1010      Introduction to Programming I	3	
<b>Upper Division Major Requirements</b>		
	<b>25</b>	
PHYS 3005      Theoretical Methods	4	
PHYS 3550      Experimental Methods	4	
PHYS 3700      Modern Physics	4	
PHYS 4000      Computational Methods	4	
MATH 3120      Differential Equations	3	
<i>Select two from:</i>		
PHYS 3010      Intermediate Mechanics	3	
PHYS 3030      Electricity and Magnetism	3	
PHYS 3800      Quantum Mechanics	3	
<b>Major Electives</b>		
	<b>3</b>	
PHYS 3050      Introductory Circuits	4	
PHYS 3060      Advanced Circuits	4	
PHYS 3100      Optics	4	
PHYS 3900      Nuclear and Radiation Physics	4	
PHYS 4150/4160/4170	1-3	
	Special Topics in Physics	
PHYS 4151/4161/4171	1-3	
	Research Experience	

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PHYS 4200	Introduction to Solid State Physics	3
PHYS 4300	Image Processing	3
PHYS 4810	Theoretical Mechanics	3
PHYS 4830	Theoretical Electricity and Magnetism	3
PHYS 4850	Advanced Quantum Mechanics	3
PHYS 4950/4960/4970	Independent Study in Physics	1-3
	8 hours of science or mathematics at any level	8

### Free Electives 9

Students must complete nine (9) hours of upper division credit selected, with approval of the Chair of the Physics and Astronomy Department, from Physics, Astronomy, Biology, Chemistry, Geology, Computer Science, Mathematics, The School of Business, or upper division engineering transfer credits from an ABET accredited program.

### PHYSICS DISTRIBUTIVE TEACHING MAJOR

Students completing this program will satisfy state of Tennessee guidelines for licensure to teach physics and general science. Students must complete the Professional Education minor.

		Credit Hours
<b>General Education (see TBR Common Core)</b>		<b>45</b>
<b>University-Wide Freshman Seminar Requirement</b>		<b>1</b>
<b>Specific General Education Requirements</b>		
PHYS 2110	University Physics (I)	5
PHYS 2120	University Physics (II)	5
MATH 1910	Calculus and Analytic Geometry (I)	5
<b>Lower Division Major Requirements</b>		<b>21</b>
ASTR 1020	Stellar Astronomy	4
BIOL 1010	Principles of Life	4
CHEM 1010 or 1110	Chemistry: Society and Environment or General Chemistry	4
GEOL 1040	Physical Geology	4
MATH 1920	Calculus and Analytic Geometry (II)	5
<b>Upper Division Major Requirements</b>		<b>13</b>
BIOL 4400	Teaching Science in High School	3
PHYS 3005	Theoretical Methods	4
PHYS 3700	Modern Physics	4
PHYS 3901	Nuclear and Radiation Physics lab	2

### PROFESSIONAL EDUCATION MINOR

**Required for licensure in all endorsement areas:  
K-6, 4-8, 7-12, and K-12**

Successful completion of this minor, successful completion of Clinical Practice (with seminar), and Tennessee-mandated licensure examinations leads to teaching licensure for grades K-6, 4-8, 5-8, 7-12, and K-12. Testing requirements, electronic portfolio development, and other prerequisites for provisional admission and full admission to Teacher Education will require consultation with an education advisor. For students not seeking licensure but a minor in Professional Education, contact the School of Education Director.

**Credit Hours  
23**

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EDUC 2100	Foundations of Education	2
EDUC 3040	Instructional Technology	3
EDUC 3070	Instructional Strategies	3
EDUC 4080	Classroom Management	3
EDUC 4160	Teaching Diverse Students	3
EDUC 4270	Evaluation and Assessment	3
PSY 3130	Introduction to Educational Psychology	3
SPED 3000	Introduction to Special Education	3

### MINORS (if any)

#### PHYSICS MINOR

	Credit Hours
PHYS 2110 University Physics (I)	5
PHYS 2120 University Physics (II)	5
Physics Electives (upper division only)	8

#### ASTRONOMY MINOR

	Credit Hours
ASTR 1010 Planetary Astronomy	4
ASTR 1020 Stellar Astronomy	4
ASTR 3005 Observational Astronomy	2
ASTR 3010 History of Astronomy	3
ASTR 3020 Cosmology	3
ASTR 4000 Astrophotography and Image Processing	3

## PreEngineering (Two-Year Transfer Program)

### Department of Physics and Astronomy

#### College of Science and Mathematics

Location: Sundquist Science Complex, B323

Phone: 931-221-6361

This engineering program will earn you a degree in Physics and an Engineering degree from one of Tennessee's Colleges of Engineering.

## PreOptometry

### Department of Physics and Astronomy

#### College of Science and Mathematics

Location: Sundquist Science Complex, B328

Phone: 931-221-6116

Optometry is the primary health profession dedicated to caring for vision. Through academic and clinical training, optometrists acquire the knowledge and skills needed to diagnose, treat, and prevent problems of the visual system. A Doctor of Optometry receives four (4) years of specialized professional education and clinical training at an accredited school of optometry, after completion of their undergraduate prerequisites.

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### ADMISSION INTO OPTOMETRY SCHOOL

The minimum entrance requirement for optometry school is three (3) years of college (90 college credit hours). However, the academic programs tend to be very rigorous. Ninety-six percent of students admitted by the Southern College of Optometry in Memphis, TN, today have a B.S. degree or higher with an average of 3.3 GPA. The course requirements are slightly different for each optometry school. You may visit the Association of Schools and Colleges of Optometry's website at [www.opted.org](http://www.opted.org) to determine the specific requirements for each school.

### PROGRAM REQUIREMENTS

Student applicants are also required to complete the Optometry Admission Test (OAT) as a prerequisite to admission. Please contact department for a list of required courses and suggested programs of study.

## PreProfessional Programs

The University offers two-, three-, and four-year preprofessional programs in the fields of study listed below. These programs are designed to prepare the student to meet the minimum requirements for admission to a professional school. All curricula are generally designed to be acceptable to most professional schools. The student, however, should receive confirmation from the professional school whether each course is acceptable for its program and plan the preprofessional curriculum at APSU accordingly.

Preprofessional programs which can be completed in two years do not lead to a degree from APSU; however, degrees in absentia may be obtained from APSU after completion of the first year's work in the professional school for the three- and four-year programs listed herein, provided the requirements for degrees in absentia are met.

<b>Program</b>	<b>Department</b>	<b>Years</b>
Agricultural Education .....	Agriculture .....	3
Dental Hygiene .....	Chemistry.....	2
Dentistry .....	Chemistry.....	3 or 4
Engineering .....	Physics and Astronomy .....	3
Food Technology .....	Agriculture .....	2
Forestry .....	Agriculture .....	2
Law .....	.....	4
Medicine .....	Chemistry.....	4
Optometry .....	Physics and Astronomy .....	4
Pharmacy .....	Chemistry.....	2 or 3
Physical Therapy.....	Biology .....	4
Veterinary Medicine.....	Agriculture .....	3 or 4
Wildlife.....	Agriculture .....	2

Specific curricular requirements for programs granting degrees in absentia are outlined in the departmental listing of this Bulletin.

## **Graduate Studies**

Graduate study offers well-qualified students the opportunity to obtain a master's degree, increase their skills for their profession, and become involved in scholarship and research, which can broaden their professional and cultural backgrounds.

### **GRADUATE DEGREE - MASTER'S**

Biology M.S.  
Communication Arts M.A.  
Curriculum and Instruction M.A.Ed.  
Educational Leadership Studies M.A.Ed.  
English M.A.  
Health and Human Performance M.S.  
Management M.S.M.  
Music M.Mu.  
Nursing M.S.N.  
Psychology M.A.  
Reading M.A.Ed.  
Regents Education M.Ed.

### **GRADUATE DEGREE – EDUCATION SPECIALIST**

Education Ed.S.

### **GRADUATE ONLINE DEGREES AT APSU**

Corporate Communication, Specialization:  
Corporate Communication M.A.  
Curriculum and Instruction, Specialization:  
Instructional Technology M.A.Ed.  
Curriculum and Instruction, Specialization:  
Advanced Studies, Specialty Areas in  
Language Arts/Reading or Science M.A.Ed.  
Health and Human Performance, Specialization:  
Health Services Administration M.S.  
Military History M.A.  
Psychology, Concentration: Industrial/  
Organizational Psychology M.A.

### **GRADUATE REGENTS ONLINE DEGREES**

Education M.A.  
Nursing M.S.

### **GRADUATE EDUCATION LICENSURE**

(See Coordinator of Education within the School of Education.)

# Special Programs of the University

## **Academic Support Services**

Web Address: [www.apsu.edu/academic\\_support](http://www.apsu.edu/academic_support)

Academic Support begins when students are admitted to APSU and continues until the goal of graduation is met.

## **Academic Advising**

Web Address: [www.apsu.edu/academic\\_support/advising](http://www.apsu.edu/academic_support/advising)

Deliberate and intentional academic advising at Austin Peay State University guides students in making responsible academic and career choices, setting goals, and developing education plans to realize those goals. Effective advising fosters critical thinking and informed decision making which supports meaningful living in a global society.

**Freshman Advising.** Academic Advising is an element of academic support that begins at the time of initial enrollment at APSU through graduation. During new student orientation undergraduate students meet with faculty to discuss career goals and to plan a schedule for their first semester. Students who have declared a major are assigned to permanent faculty advisors during their first semester. Students who are still deciding on a major continue to be

advised by professional advisors in the Career and Advisement Center.

**Regular Academic Advising.** Each semester students are expected to schedule an appointment with their assigned faculty advisor(s) for the purpose of discussing academic progress and planning a schedule for the following semester. The role of faculty advisors is to help students clarify goals, career options, courses of study, program requirements, and educational needs, and to identify University resources that support the academic goals. Faculty advisors regularly interact with their advisees in order to coordinate educational experiences and monitor student progress throughout the year. While, in the final analysis, academic choices rest with the student, faculty advisors assist students by helping them identify and assess the alternatives and the sequences of academic decisions.

## **Academic Support Center**

Location: Morgan University Center

Phone: 931-221-6550

Web Address: [www.apsu.edu/academic\\_support](http://www.apsu.edu/academic_support)

Peer tutoring and Structured Learning Assistance are offered to currently enrolled

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students through the Academic Support Center. In addition, the University provides a small writing lab in the Center to assist students in improving their writing skills. Detailed information may be found on the website. Students may make appointments for tutoring either by personally visiting the center or by calling 931-221-6553.

### Academic Alert

Academic Alert is the web-based system which faculty may use to warn students who are in academic jeopardy in their classes. Students are referred to the office of Academic Support for consultation.

### Structured Learning Assistance

Students who are required to enroll in *enhanced* sections of ENGL 1010, MATH 1010, and MATH 1530 must participate also in Structured Learning Assistance workshops two days a week. SLA student leaders who have demonstrated academic excellence conduct the workshops in computer laboratories in the Marks Building.

### Career, Advisement, and Testing Services

Web Address: [www.apsu.edu/careers](http://www.apsu.edu/careers)

The Career and Advisement Center is located in the Morgan University Center, Room 210. The center advises students who have not declared a major and assists students in each stage of the career development process. Services include assistance with meeting core requirements for undeclared majors, choosing a major, writing a resumé and/or cover letter, developing interviewing skills, searching for a job, and applying to graduate school. A variety of workshops are offered regularly, and full- and part-time jobs listings are posted daily. Visit the Career and Advisement Center's website or call 931-221-7896 for more information.

The Testing Center is located in the Ellington Building, Room 202. The center offers a variety of tests, which includes: COMPASS, ACT-Residual, CLEP, DANTES, and MAT for correspondence courses taken

through other universities. Testing information about PRAXIS, GRE, and the national ACT is available at the testing center. For more information or to schedule a testing session, call 931-221-6269.

### First-Year Experience

The University recognizes that there are many differences between high school and college. Thus the significance of the first year of college in making a successful transition is addressed with the First-Year Experience.

### Summer Welcome

Admitted students are invited to campus to meet with a faculty member for academic advising and to enroll in classes. Students are introduced to University expectations and services and campus resources ([www.apsu.edu/academic\\_support](http://www.apsu.edu/academic_support)).

### New Student Orientation

This program is a 2 1/2 day program which precedes the beginning of classes and begins with Freshman convocation. All freshmen are required to participate; transfer students must participate if they enter with fewer than 12 credit hours (university level) wish to do so. The focus of the activities is to teach students how to use the services available to them, to complete any testing requirements, and to complete other orientation activities that are a part of APSU 1000. Normally the orientation will be held on Friday and Saturday before the first day of classes.

### APSU 1000

APSU 1000 is the freshman seminar in which all first-time freshmen and all students entering with fewer than 12 hours must enroll and remain enrolled until they have completed the course with a grade of C or better. The class includes new student orientation. Not only will students engage in the habits of university success, they also will develop an appreciation of a liberal-arts focused university core as a foundation for all majors and for life.

### Center for Extended and Distance Education

Location: 106 Public Square

Phone: 931-221-7257

Website: [www.apsu.edu/ext\\_ed/](http://www.apsu.edu/ext_ed/)

The Center for Extended and Distance Education at Austin Peay State University offers a wide variety of creative educational opportunities through traditional classroom, online, interactive TV and off-campus delivery, and contract programs, including the federally funded TRIO program and the Tennessee Small Business Development Center. Services include support for traditional and nontraditional college students seeking degrees and certifications, and for personal or professional development, small business entrepreneurs, regional business and industry, veterans, first-generation college students, and economically disadvantaged students.

### Distance Education

Location: Library, 118B

Phone: 931-221-7933

Website:

[www.apsu.edu/ext\\_ed/distant\\_ed/index.htm](http://www.apsu.edu/ext_ed/distant_ed/index.htm)

Distance Education enables the University to reach beyond the traditional campus via two-way interactive television courses. The University currently operates interactive video sites from the main campus to the Austin Peay Center @ Fort Campbell and various sites in the service area. Information about the schedule and location of these classes may be obtained by contacting Distance Education, the appropriate academic department, visiting the web page, or referring to the SCHEDULE OF CLASSES (Web only) each term.

### Online/Distance-Based Degree Programs

Online/distance-based education offers students the convenience of classroom accessibility 24 hours a day from virtually anywhere in the world. Online/distance-based students access their virtual classroom and interact with instructors and classmates through the Web in an interac-

tive, asynchronous format. Distance-based courses may utilize DVD or other internet technologies to enhance instruction. Online/distance-based courses are not self-paced; courses begin and end on specific dates, and class work is assigned deadlines. Advising, library services, student support, and other forms of student assistance are available to online/distance-based students. Technical support is available 24 hours per day, 7 days per week.

Students may choose from APSU online/distance-based degrees and the Regents Online Degree Program.

### APSU Online/Distance-Based Degrees

Location: Clement, 111

Phone: 931-221-6484

e-mail: [online@apsu.edu](mailto:online@apsu.edu)

Website: [www.apsu.edu/online/](http://www.apsu.edu/online/)

APSU online/distance-based offers 14 degree programs and more than 125 courses online/distance-based. All core courses required for the Bachelor of Science degree are available online. For more information on degree requirements, visit [www.apsu.edu/apsuonline/degrees/degrees.htm](http://www.apsu.edu/apsuonline/degrees/degrees.htm).

### Regents Online Degree Programs

Tennessee Board of Regents' colleges, universities, and technology centers offer the Regents Online Degree Programs (RODP). APSU is one of six TBR universities that delivers and awards the noted degrees. Courses completed in the Regents Online Degree Programs are entirely online and transferable among all the participating institutions. Two undergraduate degrees and two graduate degrees are available, as well as teacher education options.

### Extended Education

Location: 106 Public Square

Phone: 931-221-7743

Website: [www.apsu.edu/ext\\_ed/index.htm](http://www.apsu.edu/ext_ed/index.htm)

Extended-Campus on-site courses are offered at various centers throughout the service area of APSU. Information about the

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schedule and location of extended-campus classes may be obtained by contacting the Center for Extended and Distance Education, the appropriate academic department, visiting the web page, or referring to the SCHEDULE OF CLASSES (WEB ONLY) each term.

Austin Peay After Hours provides students the opportunity to take core requirements during the evenings and weekends. Also, students wishing to earn a Bachelor of Business Administration in General Business or Bachelor of Science in professional studies may complete degree requirements by attending evening or weekend courses. Eight-week and fifteen-week courses are offered. Information about the schedule may be obtained by contacting the Center for Extended and Distance Education, the appropriate academic department, visiting the web page or by referring to the SCHEDULE OF CLASSES each term.

Dual/concurrent enrollment allows qualified high-school juniors and seniors to earn college credit while still in high school. Lottery scholarships are available. For more information, call 931-221-7743.

### English as a Second Language

Location: 106 Public Square

Phone: 931-221-6270

E-mail: [esl@apsu.edu](mailto:esl@apsu.edu)

Website:

[www.apsu.edu/ext\\_ed/esl/eslidx.htm](http://www.apsu.edu/ext_ed/esl/eslidx.htm)

The ESL Institute offers a diversified and intense program of instruction and study in English for international students who desire to raise their level of proficiency for the purpose of gaining admission to APSU or another universities. Additionally, the Institute offers community members the opportunity to study English in order to prepare for professional careers, advanced education, and participation in the global community. Courses integrate multiple skills, such as reading, writing, grammar, and vocabulary, in a friendly and personal classroom setting.

### Noncredit and Customized Training

Location: 106 Public Square

Phone: 931-221-6487

Website: [www.apsu.edu/ext\\_ed/](http://www.apsu.edu/ext_ed/)

The Center provides noncredit classes, short courses, and seminars in both traditional classroom and convenient online formats. Courses include certification programs, classes and seminars in personal and professional development, software use, foreign languages, test preparation, and visual arts. CompTIA® and Microsoft® Certification training for IT professionals is available on-site. Career development certificates in a variety of fields are also available online. In partnership with the Tennessee Small Business Development Center, the CEDE provides business-related seminars focused on the needs of small businesses. Customized contract training programs for businesses and groups are also available. A schedule of noncredit classes is published twice a year. Continuing Education Units (CEUs) are awarded for most courses. For more information, call 931-221-7816 or 931-221-6487.

### Tennessee Small Business Development Center

Location: 106 Public Square

Phone: 931-221-1370

E-mail: [tsbdc@apsu.edu](mailto:tsbdc@apsu.edu)

Website:

[www.apsu.edu/ext\\_ed/small\\_business/](http://www.apsu.edu/ext_ed/small_business/)  
or [www.tsbdc.org](http://www.tsbdc.org)

The Tennessee Small Business Development Center (TSBDC) offers assistance to help business owners grow and develop successful, thriving businesses. The center assists business owners and managers by providing one-on-one counseling for management and technical business problems and issues such as business planning, sources of capital, marketing, record keeping, location analysis, and government procurement.

### TRIO Student Support Services

Location: Ellington Student Services Building, 337

Phone: 931-221-6142

Website: [www.apsu.edu/sss](http://www.apsu.edu/sss)

The TRIO Student Support Services Program is designed to assist students whose parents did not attend or complete a four-year college and/or whose family income may hinder them from remaining in college. Currently enrolled students who are registered with Disability Services at APSU are also eligible. Students who meet one or all of these conditions are encouraged to apply for program participation. Students will develop an individualized plan of services with the program counselor, which may include the following benefits: orientation to the program, ongoing academic advisement and counseling and GPA monitoring, interaction with the Student Financial Aid Office, graduate and/or professional school advisement, career counseling, content area tutoring and small group workshops, personal counseling, and participation cultural activities.

Funding by the U.S. Department of Education for TRIO Student Support Services at APSU is \$244,735 or 100% for 2008-2009. The services are free and can accommodate 180 qualified students.

TRIO Programs Website:

[www.apsu.edu/ext\\_ed/trio\\_programs.htm](http://www.apsu.edu/ext_ed/trio_programs.htm)

The federal TRIO programs were established in 1965 to provide postsecondary educational opportunities to the economically disadvantaged in the United States. The programs target students and adults whose annual income/parental income makes them eligible for grants and need-based assistance. TRIO programs also target potential first-generation college students. TRIO programs are funded by the federal government and based on college campuses nationwide. Austin Peay State University hosts five TRIO programs:

High School Upward Bound

Location: 400 Ford Street

Phone: 931-221-6200

Tri-County Upward Bound

Location: 223 Castle Heights

Phone: 931-221-6410

Veterans Upward Bound

Location: 219 Castle Heights

Phone: 931-221-7600

TRIO Student Support Services

Location: Ellington, 337

Phone: 931-221-6142

Educational Opportunity Center

Location: Ellington, 333

Phone: 931-221-7481

Art Galleries

College of Arts and Letters

See page 22.

Center of Excellence for the Creative Arts

College of Arts and Letters

See page 22.

Center of Excellence for Field Biology

College of Science and Mathematics

See page 21.

Honors Program

College of Arts and Letters

See page 21.

International Studies Minor

College of Arts and Letters

See page 159.

President's Emerging Leaders Program

Office of Academic Affairs

Location: Clement, 143D

Phone: 931-221-6398

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### **Servicemembers Opportunity Colleges (SOC)**

Austin Peay is designated as an institutional member of Servicemembers Opportunity Colleges (SOC), a group of over 400 colleges and universities providing voluntary postsecondary education to members of the military throughout the world.

As a SOC member, APSU recognizes the unique nature of the military lifestyle and has committed itself to easing the transfer of relevant course credits, providing flexible academic residency requirements, and crediting learning from appropriate military training experiences.

### **Servicemembers Opportunity Colleges Associate Degree for Soldiers (SOCAD-2)**

In addition to its SOC membership, APSU is one of approximately 200 institutions providing occupational and flexible SOCAD-2 (formerly SOCAD) programs on over 50 Army installations worldwide. These programs lead to associate degrees, most of which correspond to enlisted and warrant officer job specialties. The agreement is valid for six years. Through prior agreement, students in SOCAD-2 programs

1. Must complete at any time during pursuit of degree 25 percent of total degree requirements in residence;
2. Must earn 6 semester hours of APSU credit before a SOCAD will be processed;
3. Are awarded credit for experience in their military occupational specialty (MOS) and service schools as appropriate to their programs;
4. Are awarded credit for nontraditional learning based on results of national tests, such as CLEP and DANTES, as appropriate to their programs;
5. Have a SOCAD Student Agreement completed as their official evaluation stating remaining degree requirements and eliminating the need for reevaluation of previous credit; and
6. Are guaranteed that courses listed in

transferability tables in the SOCAD-2 handbook will be accepted for degree requirements within each curriculum area.

### **Servicemembers Opportunity Colleges Bachelor's Degree for Soldiers (SOCAD-4)**

APSU offers the B.S. in Public Management as its Bachelor's Degree for soldiers. The agreement is valid for six years. Through prior agreements, students in SOCAD-4 (formerly BDFS) programs:

1. Must complete at any time during pursuit of degree 25 percent of total degree requirements in residence;
2. Must earn 6 semester hours of APSU credit before a SOCAD will be processed;
3. Are awarded credit for experience in their military occupation specialty (MOS) and service schools as appropriate to their programs;
4. Are awarded credit for nontraditional learning based on results of national tests, such as CLEP and DANTES, as appropriate to their programs;
5. Have a SOCAD Student Agreement; and
6. Are guaranteed course transferability as per the SOCAD Student Agreement.

### **Study Abroad and Exchange Programs**

Office: Harned Hall, 127

Phone: 931-221-6445

Website: [www.apsu.edu/study\\_abroad/](http://www.apsu.edu/study_abroad/)

#### **Asia**

##### **China**

APSU has established educational and academic exchanges with the Central University of Finance and Economics in Beijing, China. It allows the exchange of graduate and undergraduate students for study and research in the host institute. Exchange of faculty/scholars for research and lectures are also available through this program.

### Taiwan

The Taiwan program is an educational exchange program for faculty and students between APSU and two sister institutes in Taiwan, National Changhua University of Education (NCUE) and Nankai College of Technology and Commerce (NCTC). The program sponsors: (1) Student Exchange Program—students may study for one or two semesters at sister institutes; (2) Study Abroad Program—students may be enrolled in a summer study abroad program at the host institution; (3) Faculty Exchange Program—selected faculty may attend the host institution for the purpose of research, teaching, and general study; and (4) Visitation Program—Delegates will attend symposia to promote and enhance the exchange agreement between the institutions.

### Cooperative Center for Study Abroad

The Cooperative Center for Study Abroad (CCSA) is an inter-institutional effort providing joint planning, coordination, and implementation for programs of study abroad to countries with a significant English speaking base. The CCSA sponsors: (1) short-term programs of study in late December and early January during the interim between the fall and spring semesters to London or Australia; (2) several programs in the spring; (3) summer programs in several countries; e.g., England, Ireland, Scotland, Australia, Ghana, Jamaica, Belize, etc.; (4) fall and spring semesters in England; and (5) a variety of opportunities for internships. Courses are taught by faculty from CCSA member institutions including APSU faculty. Students earn credit on their home campuses that apply to their degree programs. The CCSA member institutions identify comparable courses for those scheduled through other member universities.

### Europe

#### Holocaust Traveling Seminar

Austin Peay's Study Abroad Program

offers students an opportunity to travel to Germany and France during the summer. The curriculum consists of History 4910, The Holocaust Traveling Seminar. Lectures will be held in Strasbourg, France, with subsequent travel to sites in Germany. All classes and tours are in English, and students are eligible for six credit hours. The accommodations are dormitory style including two meals per day. Also included are hotels, pensions, or hostels near the sites. The cost for the program includes APSU tuition, books, room and board, airline and rail tickets, site admission, program fees, and personal expenses. An advance down payment is required for dormitory and travel by March 1 of each year.

#### France

An international education cooperative program has been established between University of Orleans of France and Austin Peay State University. The cooperation between the two universities encourages student exchange; faculty exchange a) the exchange of publications, documents, research results, and other form of academic collaboration; and b) the summer study abroad program.

#### Greece

Spectacular mountains and beautiful beaches provide the backdrop of the serious study of ancient Greece culture and modern Greek language. Students will enroll in GREK 3400, Greek Art and Archaeology, and GREK 1110, Intensive Modern Greek, for a total of 7 credit hours. We will spend 5 weeks studying and visiting archeological sites and museums from Neolithic caves to World War II sites. Sites include: Knosso, Phaisto, Mycenal, Cosenth, Olympia, Delphi, and about 35 more.

#### Spain

A four-week summer program for the study of Spanish will be taught at Estudio Internacional Sampere in Madrid. Spanish language classes are offered at all levels,

## 234 Special Programs of the University

from beginning through advanced. An average of 17 hours of classes and activities are scheduled each week. Classes average from five to eight students per class. While in Madrid, there will be four full-day excursions outside the capital to nearby cities and sites of interest such as Toledo, Segovia, Salamanca, La Granja, the Escorial, and the Valle de los Caídos. Students are housed in carefully selected Spanish households, usually two per family. Housing is within walking distance or with easy access to rapid public transportation to classes. The program fee provides three meals a day while in Madrid.

### Sweden

A student exchange program exists between APSU and Mid Sweden University where students get full credits in their major/minor areas of study while learning the Swedish language and culture. All classes taken by exchange students are taught in English. Students can study either one semester or an academic year at Mid Sweden University. Studies are offered in humanities, social sciences, science and engineering, teacher training, nursing, and social care. It is required that all students register for a Swedish language/culture class while studying at the University. Students who successfully complete their courses at the University will receive a \$250 scholarship at the end of the semester from the Mid Sweden University. APSU students pay Austin Peay tuition the semester they attend Mid Sweden University. Other expenses, such as housing, airline cost, books, and personal expenses are the students' responsibility. Financial aid and scholarships are available from APSU for studies at Mid Sweden University.

### North America

#### Mexico

Contact College of Arts and Letters for information at 931-221-6445.

#### Quebec, Canada

The Mid-Continent Consortium offers an intensive French language immersion course. It is open to students who have completed a minimum of one year of college-level French or its equivalent.

The immersion program is centered at the Ecole de langue et de culture quebécoise at the Université de Québec · Chicoutimi. The program uses coursework, homestay, and organized activities to create a total immersion environment. Students take courses in language, conversation, and the culture of Quebec. Courses are taught entirely in French by native faculty.

Afternoons, students choose from a number of organized activities, including volleyball, hiking, canoeing, theater, dance, art, and singing folk songs. All activities are organized by a team of energetic French language monitors who keep students speaking French throughout the day. Weekends include optional excursions to visit the cities of Quebec and Montreal, as well as the Lac St. Jean and Saguenay regions of the province of Quebec.

For advanced students, there is a three-week course in Business French, as well as a program in pedagogy for teachers of French. Other options are available year-round, including French and Snow, French and Nature, and semester-length immersion courses.

**Institute for Global Security Studies**

**School of Technology and Public Management**

**Location: SSG Glenn H. English, Jr., Army Education Center**

Bldg. 604 – Rm. 105, Fort Campbell, KY

Phone: 931-221-1477

Website: [www.apsu.edu/igss](http://www.apsu.edu/igss)

Global Security Studies considers transnational security issues with global implications such as the environment, terrorism, population movements, and disease threats. Students prepare for careers in government, business, education, or international organizations by complementing a specific major with an understanding of the emerging challenges posed by a globalizing world.

**GLOBAL SECURITY STUDIES (MINOR)**

Transnational issues with global implications that can only be solved by collaborative effort are the focus. Among the issues introduced are conventional and critical security, international law, economic security, population movement, environmental security, gender and age, infectious disease threats, transnational crime, intra-state conflict, terror, and American global power.

<b>MINOR CONCENTRATION</b>	Credit Hours
	<b>9</b>
GSS 2010            Introduction to Global Security Studies	3
POLS 2070           International Politics	3
POLS 3070           Theories of International Relations	3

**MINOR ELECTIVES 9**

Note: While there is no required course distribution across disciplines, the student should work with advisors to select courses which lend depth and breadth to their studies.

AGRI 4110	Agro-Terrorism	3
COMM 4444	Cultural Context of Communication	3
CRJ 3100	Network Security	3
CRJ 3400	Terrorism: Understanding the Threat	3
CRJ 3410	Domestic Terrorism	3
CRJ 3420	International Terrorism	3
CSCI 3200	Information Security	3
ECON 4610	International Economics	3
ENGL 360H	Literature and Film Across Cultures	3
GEOG 1030	Geography of the Developing World	3
GEOG 3130	Geography of the Middle East	3
GEOG 3150	Geo-Information Systems (GIS) I	3
GEOG 3950	Population and the Environment	3
HHP 4070	Introduction to Disease	3
HHP 4730	U.S. Foreign Relations Since 1890	3
HIST 4790	The Military in Nontraditional Roles	3
PHIL 2200	Religion and the World	3
PHIL 380B	Islam as a Worldview	3
PHIL 380C	The Battle for God: Jihad, Herem, and Other Theologies of War and Peace	3

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POLS 3060	Terrorism and Counterterrorism	3
POLS 4170	Power, Morality, and International Relations	3
POLS 4444	Cultural Context of Political and Social Ideas	3
PSY 4444	Cross-Cultural Psychology	3
<b>PROGRAM TOTAL:</b>		<b>18</b>

Students completing this minor are strongly recommended to take HIST 1220 and World History II in their general education core. Students should recognize that a foreign language and/or a study abroad/intern experience will significantly enhance their qualifications in this field.

### The President's Emerging Leaders Program (PELP)

PELP is the Premier Program at Austin Peay State University. The purpose of PELP is to prepare students at APSU for a lifetime of leadership. The program provides the unique opportunity to study leadership in a classroom setting and to develop leadership skills through supervised field experiences. Selection for this program is highly competitive. Students selected for the program receive an annual scholarship.

#### Eligibility Requirements

High-school students are accepted into the program based on the following qualifications:

1. Minimum GPA of 3.50; minimum ACT of 24;
2. Evidence of participation in high-school and community activities;
3. Evidence of leadership throughout the high-school experience; and
4. Three references, including at least one from a high-school official (principal, counselor, teacher) and one from a person in the community.

#### Expectations for Students Accepted into PELP

Students must be enrolled for at least 12 semester hours each semester and maintain a 3.25 cumulative GPA. Students shall complete a leadership minor which includes the following courses during their four years of study:

LDSP 1000	Introduction to the Study of Leadership (1)
LDSP 1005	Community Organizations (1)
LDSP 2000	Ethics in Leadership (1)
LDSP 2001	Communication Skills (1)
LDSP 3001	Leadership Issues I (1)
LDSP 3002	Leadership Issues II (1)
LDSP 4000	Internship in Leadership (3)
LDSP 4001	Great Leaders (1)

1. PELP students will minor in leadership. To complete the minor, students will choose, in addition to the required PELP classes, 9 hours from LDSP 3000, LDSP 3100, LDSP 3200, LDSP 4200, and SOC 2010.
2. Upper-class PELP students will serve as mentors to entering freshmen.
3. During students' time in PELP, freshmen will complete 20 hours of community service, sophomores 40 hours of community service, and juniors 20 hours of community service in an organization approved by the director.
4. During the academic school year, students will be expected to attend six to eight monthly meetings with community or campus leaders.
5. Students will be encouraged to participate in a study abroad experience.

## Student Life

**Web Address:** [www.apsu.edu/student\\_affairs/support\\_services.htm](http://www.apsu.edu/student_affairs/support_services.htm)

Austin Peay State University believes the collegiate experience of students is enhanced through involvement in educationally purposeful programs and activities outside of the classroom environment. The vision of the Division of Student Affairs is to be responsive, innovative, supportive, and empowering. Specifically, the mission of the Division of Student Affairs is to provide programs and services for students that facilitate opportunities for leadership and personal development, promote health and wellness, build a sense of community and loyalty to the institution, provide appreciation for diversity, and support their educational goals.

The Division of Student Affairs is represented in its mission by the following departments: Office of Student Affairs; Child Learning Center; Student Counseling Services; Disability Services; Housing, Residence Life, and Dining Services; University Recreation; Student Life and Leadership; Student Publications; Boyd Health Services; African American Cultural Center; and Hispanic Cultural Center. Each of the departments incorporates human and student development philosophies in their programs and services.

Listed below are some of the opportunities that are available for students to enhance their educational experience.

### **African American Cultural Center**

The Wilbur N. Daniel African American Cultural Center is an important University entity dedicated to providing knowledge and programming about the historic and contemporary contributions, achievements, and social perspectives of African Americans and other people of African descent. The Center's mission is intertwined with the University's goals relative to the creation of

a collaborative, integrative learning community that fosters critical thinking inquiry and self-reflection necessary in a global society. The primary purpose includes aiding in the retention of African American students, and educating and motivating all students to be highly aware and appreciative of the diverse cultures that define the contemporary world.

Through its provision of many student-centered and student-oriented programs, events, and special services, the Center plays a vital role in assisting African American students to incorporate in their educational and social aspirations a commitment to serve their communities; and that they are highly motivated to take their rightful place as professionals and other social leaders in American society, specifically, and in the global world, generally.

### **Greek Organizations**

The social Greek organizations are members of the National Panhellenic Conference, the National Panhellenic Council or the National InterFraternity Conference. Campus chapters are members of representative governing bodies that promote leadership development, excellence in scholarship, community service, and positive inter-Greek relationships.

Social Greek organizations are active participants in University programs, activities, and special events, and are well known and respected for their many volunteer, service, and fundraising contributions to the local community and national philanthropies. A high percentage of campus student leaders are members of sororities and fraternities at Austin Peay. Membership in social Greek organizations is the result of a selection process known either as "Intake" or "Recruitment" or "Rush."

### **Hispanic Cultural Center**

The Hispanic Cultural Center is an important University entity dedicated to providing knowledge and programming about the historic and contemporary contributions, achievements, and social perspectives of Latino and Hispanic Americans. The Center's mission is intertwined with the University's goals relative to the creation of a collaborative, integrative learning community that fosters critical inquiry and self-reflection necessary in a global society. The primary purpose includes aiding in the retention of Hispanic and Latino students, and educating and motivating all students to be highly aware and appreciative of the diverse cultures that define the contemporary world.

The Hispanic Cultural Center also serves as a place where Hispanic and Latino students can connect meaningfully with and take great pride in their heritage in a nurturing environment. Through its provision of many student-centered and student-oriented programs, events, and special services, the Center plays a vital role in assisting Hispanic and Latino students to incorporate in their educational and social aspirations a commitment to serve their communities; and that they are highly motivated to take their rightful place as professionals and other social leaders in American society, specifically, and in the global world, generally.

### **Intercollegiate Athletics**

Austin Peay State University competes at the National Collegiate Athletic Association Division I level in the Ohio Valley Conference. The Athletic Department sponsors men's teams in football, basketball, baseball, golf, tennis, and cross country; and women's teams in volleyball, basketball, tennis, cross country, softball, golf, indoor and outdoor track, and soccer.

### **National Alumni Association**

The National Alumni Association of Austin Peay State University is an organization designed for the purpose of promoting

the welfare of the University through the development of a program of mutually beneficial relations between the alma mater and its alumni. The association was founded in 1936 and became a national association in 1990. Its membership consists of graduates, former students, and friends of the University. It is governed by a Board of Directors elected from its membership. The mission of the organization is to serve the University by providing an association for interaction among alumni, students, faculty, and administrators; and to encourage financial support for the academic programs, student scholarships, and general development of the University, as well as provide assistance in the recruitment of new students.

The headquarters of the APSUNAA and the Alumni Regulations Office is located in the Pace Alumni Center at Emerald Hill.

### **Student Government Association**

The three branches of the Student Government Association consist of the Executive, Legislative, and Judicial bodies. The purpose of the Student Government Association is to be the voice of all students by connecting students to other students, faculty, staff, and administration in order to improve the quality of student life and strengthen the Austin Peay State University community.

The Executive Committee is comprised of the President, Vice President, Executive Secretary, and Chief Justice. The legislative power of the SGA is the Senate that consists of representation from each class and college. The Judicial branch is the Student Tribunal and serves as the highest student court. The Student Government Association is advised through the Office of the Student Affairs.

### **Student Organizations**

More than 90 honor, professional, departmental, social, service, and special interest groups are available to Austin Peay students. Information on these organiza-

tions and membership requirements are maintained in the Student Life and Leadership Office. Austin Peay State University registers student organizations through the Student Life and Leadership Office. The missions, activities, programs, and expressed opinions of such organizations do not necessarily represent the official viewpoint or opinion of the University.

The Student Organization Council serves as a liaison between student organizations for the purpose of planning and implementing programs and events. The council enhances communication and cooperation within the APSU campus community by promoting unity among organizations.

### **Govs Programming Council**

The Govs Programming Council or “GPC” is the major student programming organization on campus. It is made up of committees that allow students to give input into the recreational, social, and co-educational programming. Students gain hands-on experience with the planning and implementation of campus-wide events. General membership in the GPC is open to any undergraduate APSU student, while executive members must meet a GPA requirement, as well as have experience with the organization as a general member.

### **Student Publications**

#### **The All State**

Since 1929, The All State has served as APSU’s campus newspaper. The All State is a publication for the expression of student opinion and a medium for dissemination of timely news relevant to the campus community. It is produced and managed by students with the guidance of the Student Publications advisor. The newspaper office is located in the University Center, Room 115. Applications for student writers, photographers, advertising representatives, cartoonists, columnists, and designers are always accepted and can be picked up in the Student Publications office. All majors are welcome. For more information, call 931-

221-7376 or email [theallstate@apsu.edu](mailto:theallstate@apsu.edu).

#### **The Tower - “The Red Mud Review”**

The literary review is published annually by students under the supervision of the Department of Languages and Literature. Its purpose is to promote and stimulate interest in creative writing; it provides students interested in the art of writing an opportunity to acquire experience in creative writing and to achieve satisfaction in seeing their work in print.

#### **University Recreation**

The vision of University Recreation is to provide the APSU community with opportunities to develop and enhance all aspects of wellness through quality recreational programs and services.

In January 2007, the new \$11 million Foy Fitness and Recreation Center opened, featuring a 3-court gymnasium, indoor walking track, climbing wall, large cardio and resistance training space, a cycling studio, modern fitness studios, locker rooms, and dining facility. University Recreation also continues to operate the Drew Simmons Fitness Center, as well as utilize the Memorial Health Gymnasium. In Spring 2008, a new outdoor swimming pool opened with lanes for lap swimming and state-of-the-art locker rooms.

We offer a variety of informal, educational, and competitive activities to meet and expand the interests of our constituents. We regularly facilitate fitness and nutrition workshops as well as organize sports leagues and tournaments. Operating hours, a full group fitness schedule, personal training details, and dates and times for specific events can be found on our website at [www.apsu.edu/recreation](http://www.apsu.edu/recreation), or call us at 931-221-7564.

Participation in all activities is voluntary, and each individual assumes the associated risks. Participants are strongly urged to consult a physician prior to engaging in any activity, and health and medical insurance are strongly recommended as well.

### Honors and Awards

Each year, the University recognizes outstanding students at Academic Honors Day and Awards Day ceremonies and at Commencement. Some of the awards presented are listed below.

#### Academic Honors and Awards Ceremony

This ceremony, produced by the Honors and Awards Committee, recognizes all students holding a 3.65 GPA for undergraduates fully enrolled (12 units or more in all classes except freshman, where a minimum of 16 units are required) and a 3.85 GPA for graduate students fully enrolled (eight hours or more). The student must be fully enrolled in the previous fall term and fully enrolled per the criteria for the current spring term. The student receives a certificate/instruction letter in the mail as well as an invitation is sent to the student(s) family. The student is given individual recognition and an "Honor Student" gift bag for their distinguished achievement. It is a yearly program given in the month of April. The ceremony also showcases recipients of departmental awards, senior student awards and outstanding faculty awards culminating in a reception.

#### Drane Award

The William McClure Drane Award is conferred upon an outstanding member of the graduating class chosen by the faculty of the University on the basis of character, scholarship, leadership, and service to the University. Preference is given to a student with four years of residence in the University. Miss Myrtle Drane and Mrs. Maud Drane Buckner established the award in 1950 in memory of their father, William McClure Drane, prominent citizen of Clarksville and patron of education.

#### Halbert Harvill Civitan Citizenship Award

The Halbert Harvill Civitan Citizenship Award is given to the member of the graduating class selected by the faculty for having

made an outstanding contribution to good citizenship during his or her college career. The award is given to the student who has made the best use of his or her abilities and has worked unselfishly for the betterment of fellow students and the school community. It is not based on popularity, athletic prowess, or scholastic achievement.

#### Academic Discipline Awards Agriculture

James D. Hamilton Award is given annually by Delta Tau Alpha Agriculture Honor Society to the most outstanding freshman Agriculture major as chosen by faculty in Agriculture.

#### Biology

Jennie H. Jordan Memorial Award recognizes academic excellence in a senior-level student that is a member of Beta Beta Beta National Honor Society for Biology. Traditionally, this award has been presented to the graduating member of Tri-Beta with the highest GPA. The Eta Pi Chapter of Tri-Beta will announce the recipient during the Student Awards Day Ceremony in the spring semester. The award is honorary, and no monetary award is made.

#### Computer Science and Information Technology

Outstanding graduating seniors are chosen by the department's faculty members from all areas of Computer Science and Information Technology.

#### Chemistry

The George M. Rawlins, Jr. Chemistry Award is granted to the member of the graduating class who has the highest GPA among chemistry majors. The winner of the George M. Rawlins, Jr. Chemistry Award receives a certificate from the chemistry

department and his or her name engraved on the Chemistry Department plaque.

### **The Harvey Blanck Physical Chemistry Award**

... honors Dr. Harvey Blanck for his more than 30 years of service to APSU as professor of physical chemistry and thus recognizes the outstanding physical chemistry student who has completed the one-year P-chem sequence. The award is a current edition of the CRC Handbook of Chemistry and Physics.

### **Engineering Technology**

The graduating senior with the highest achievement in the major field of engineering technology is elected by engineering technology students.

### **Mathematics**

The Mathematics Award is given to the graduating senior voted most outstanding by the faculty in the major field of mathematics. This award is given by the Clarksville Kiwanis Club. The Award Trophy will be awarded to the best sophomore mathematics student voted most outstanding by faculty in the department.

### **Military Science**

The Military Science Awards are given annually to outstanding cadets in the ROTC program by various organizations at the national, state, local, and University level.

### **Nursing**

The following awards are given to graduating seniors: Distinguished Senior Award by the Nursing Alumni Association, four awards by the faculty for Academic Excellence, Outstanding Senior Nursing Student, Nu Phi Student Achievement, and R.N.-B.S.N. Leadership.

### **Political Science**

The John Burgess Award is given to the graduating senior with the highest grade point average.

### **Robert F. Sears Physics/Astronomy Award**

Established in 1999 by family and friends of the late Dr. Robert Sears, a \$500 award and commemorative plaque are presented to an outstanding student in physics or astronomy at the annual awards day ceremony. The recipient must closely identify with the legacy of Dr. Sears and be enthusiastically committed to a lifelong dedication to the sciences.

### **School of Business**

The graduating senior with the highest achievement in the major field of business receives an award given by the Wall Street Journal. Students with highest GPA within seven concentrations also receive awards.

### **Honor and Professional Organizations**

The following organizations recognize and honor students for their academic achievements, leadership qualities, and service. Membership offers students the opportunity to associate and interact with others who have similar goals and interests.

Go to [www.apsu.edu/sll](http://www.apsu.edu/sll) for a complete list of recognized groups and organization information.

### **Professional Organizations**

- Alpha Kappa Psi (Business)
- APSU Society for Technical Communication (STC)
- Association for Computing Machinery (ACM)
- Beta Beta Beta – Tri Beta (Biological Sciences)
- Chi Epsilon Mu (Chemistry)
- Del Square Psi (Physics)
- Galois Math Club
- Geo Club
- Health and Human Performance Club
- History Club
- Institute of Management Accountants (IMA)
- International Association of Business Communicators (IABC)

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- Lambda Tau (Medical Technology)
- Phi Mu Alpha Sinfonia (Music – Males)
- Psychology Club
- Public Relations Student Society of America (PRSSA)
- Sigma Alpha Iota (Music – Females)
- Social Work Club
- Sociology Club
- Student Art League
- Student Nurses Association
- Student Tennessee Education Association
- Alpha Lambda Delta (Freshmen)
- Eta Sigma Phi (Classics)
- Gamma Beta Phi (top 20% of class)
- Kappa Delta Pi (Education)
- Lambda Nu (Radiological Sciences)
- Omicron Delta Kappa (Leadership)
- Order of Omega (Fraternity and Sorority Life)
- Phi Alpha (Social Work)
- Phi Kappa Phi (Interdisciplinary)
- Pi Sigma Alpha (Political Science)
- Psi Chi (Psychology)
- Sigma Delta Pi – Pi Nu (Spanish)
- Sigma Tau Delta (English and Literature)
- Sigma Theta Tau (Nursing)

### Honor Societies

- Alpha Kappa Delta (Sociology)

## Student Right to Know

### Code of Student Conduct

APSU students are citizens of the local community, state, nation, and academic community.

They are, therefore, expected to conduct themselves as such at all times. Admission to the University carries with it special privileges and imposes special responsibilities apart from those rights and duties enjoyed by non-students. In recognition of the special relationship that exists between the institution and the academic community which it seeks to serve, the Tennessee Board of Regents (TBR Policy 3:02:00:01) has authorized the presidents of TBR institutions to take such action as may be necessary to maintain campus conditions and preserve the integrity and educational environment of the institutions.

Pursuant to this authorization and in fulfillment of its duty to provide a secure and stimulating atmosphere in which individual and academic pursuits may flourish, the University has developed the Code of Student Conduct, APSU Policy 3:013, contained in the STUDENT HANDBOOK, which is intended to govern student conduct at Austin Peay State University.

In addition, students are subject to all national, state, and local laws and ordi-

nances. If a student's violation of such laws or ordinances also adversely affects the institution's pursuit of its educational objectives, the University may enforce its own regulations regardless of any proceedings instituted by other authorities.

Conversely, violation of any section of the Code of Student Conduct may subject a student to disciplinary measures by the institution whether or not such conduct is simultaneously in violation of state, local, or national laws.

Generally, through appropriate due process procedures, institutional disciplinary measures shall be imposed for conduct which adversely affects the University's pursuit of its educational objectives, which violates or shows a disregard for the rights of other members of the academic community, or which endangers property or persons on University or University-controlled property. In addition, disciplinary action may be taken on the basis of any conduct, on or off campus, which violates University policies for Student Organizations or poses a substantial threat to persons or property within the University Community.

When students are unable to pursue their academic work effectively, when their behavior is disruptive to the normal educa-

tional process of the University or is detrimental to themselves or others, due to drug and/or psychological disturbance, they may voluntarily withdraw, or be temporarily suspended from the University.

The University Academic and Non-Academic Grievance Policies are designed to afford students a due process opportunity for expressing their complaints. These policies are published in the STUDENT HANDBOOK.

### University Rights

The University shall have such rights and responsibilities as are necessary and desirable for the University to achieve its purposes. The Tennessee Board of Regents specifically confirms the following rights of the University:

1. To establish regulations concerning the use and abuse of University property and to assess students with claims of damage for such abuse;
2. To withhold grades and transcripts of credit until all claims have been paid;
3. To dismiss, in the absence of specific regulations, any student, at any time, for cause deemed by the University to be in the best interest of the student's emotional or physical safety or the well-being of the University community;
4. To establish standards of dress, manners, and conduct on the campus within the range of convention and good taste;
5. To establish traffic regulations on campus, provide for registration of all vehicles using the campus, and enforce such regulations as are established. Automobile Restrictions: All cars to be parked on campus must be registered with the Office of Public Safety/campus police;
6. To control and regulate the housing of students on campus;
7. To establish or institute honor systems and ethical practice codes;
8. To supervise the scheduling of meetings, events, and activities of student organizations; and
9. To enter, inspect, and search for contra-

band, stolen articles, and such in the room of any student in University-owned housing facilities, when probable cause is established.

The list is not intended to be all-inclusive and in no way limits the rights, responsibilities, and authority which the University now has. It is simply a reiteration of some of the rights, responsibilities, and authority which have been and are now vested in it.

### Confidentiality of Student Records

It is the policy of the Tennessee Board of Regents and Austin Peay State University to comply with the Family Educational Rights and Privacy Act (FERPA) also known as the "Buckley Amendment" and, in so doing, to protect the confidentiality of personally identifiable educational records of students and former students. The student has the right to access, to request amendment, and to file a complaint concerning his/her education records in accordance with APSU Policy 3:024. Appointments to review education records are scheduled through the Office of the Registrar at least 72 hours in advance.

If the student is indebted to the University, a copy of the education records will not be made. Except as provided by the policy, the University may disclose directory information to any person requesting it without consent of the student. Directory information includes the student's name, permanent address, telephone number, email address, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, enrollment status, degrees and awards received, and the most recent previous educational agency or institution attended by the student. The University provides each student the opportunity to refuse to allow disclosure of designated directory information through the Offices of the Registrar, Ellington Building, Room 303 and the AP Center at Fort Campbell Information Window. The student

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will be given this opportunity at the beginning of each academic term. The student has the right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA. The name and address of the office that administers FERPA is: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Ave. SW, Washington, DC, 20202-4605.

Annually, students are informed of their rights through the STUDENT HANDBOOK. A complete copy of the policy shall be made available upon request at the Office of the Registrar (free of charge) and the University library (at a nominal per-sheet charge).

### **Student Right to Know Act**

Statistics for all crimes are publicized and distributed to employees and students on an annual basis, in the time frames required by Federal/State law, and are available to applicants for enrollment or employment upon request from the Office of Public Safety. The graduation rate is 35.6 percent. For information on the law and University policy and statistics, contact the Office of Institutional Research and Effectiveness at 931-221-6184.

### **Drug-Free Schools and Communities Amendments Act**

All currently enrolled students are required to read the University's Drug-Free Schools and Communities Amendments Act Statement. This statement outlines policy, legal sanctions (federal, state, and University), health risks, and assistance programs related to the use of alcohol and/or other drugs on the Austin Peay State University campus. The statement is in the STUDENT HANDBOOK.

### **Smoking and Clean Air**

All smoking is prohibited on the APSU campus, except in designated campus parking lots (APSU Policy No. 3:032). APSU promotes an environment free from tobacco

smoke in buildings and vehicles where students, faculty, and staff are working, conducting seminars, research, discussions, etc. Regardless of whether classes are in session, this policy prohibits smoking 24 hours-a-day year-round. Those choosing to use smoke-free tobacco products may do so 30 feet from each building entrance and exit. (See STUDENT HANDBOOK.)

### **University Liability**

Austin Peay State University is not responsible for bodily harm and/or death to participants in any voluntary organizations or activities, including but not limited to voluntary athletics, intramural recreation, hiking, karate, judo, skydiving, or other activities in which risk is incurred. Austin Peay State University, as an agency of the state of Tennessee, is not liable for claims resulting from injury and/or death incurred in such participation. All claims should be filed with the Tennessee Claims Commission. Forms for such claims may be obtained in the University's Affirmative Action Office. Members of the University faculty and staff may not be held liable unless personal negligence occurs.

### **Purpose of the University Bulletin**

The course offerings and requirements of the institution are continually under examination and revision. This Bulletin presents the offerings and requirements in effect at the time of publication, but does not guarantee that they will not be changed or revoked. Indeed, we are sure that students desire that the University continue its efforts to strengthen and improve its programs. Changes are always made with that intent. However, adequate and reasonable notice will be given to students affected by any changes. This Bulletin is not worded in contractual terms and does not constitute a contract between the student and the institution. The institution reserves the right to make changes as required in course offerings, curricula, programs of study, academic policies,

and other rules and regulations affecting students, to be effective whenever determined by the institution. These changes will govern current and formerly enrolled students, and enrollment of all students is subject to these conditions. Current information is available from the following sources:

Admission Requirements . . . . . Office of Admissions  
Course Offerings . . . . . Department Offering Courses  
Degree Requirements . . . . . Office of the Registrar  
Fees and Tuition . . . . . Business Services Office

Austin Peay State University provides the opportunity for students to increase their knowledge by providing programs of instruction in various disciplines by faculty who, in the opinion of the University, are

trained and qualified for teaching at the college level. However, the acquisition of knowledge by any student is contingent upon the student's desire to learn and his or her application of appropriate study techniques to any course or program. Thus, Austin Peay State University must necessarily limit representation of student preparedness in any field of study to that competency demonstrated at that specific point in time at which appropriate academic measurements were taken to certify course or program completion. The instruction, of course, cannot warrant that any student who completes a course or program of study will necessarily acquire skills or knowledge, or will be able to successfully pass any specific examination for course, degree, or license.

The University provides opportunities for learning and encourages learning; it is only the student who can do the learning.

## Student Services

**Web Address:** [www.apsu.edu/student\\_affairs/](http://www.apsu.edu/student_affairs/); [www.apsu.edu/records/](http://www.apsu.edu/records/)

### AP Self Service

Students may apply, register, pay fees, obtain grades, order student transcripts, and obtain information on admissions, financial aid, veteran services, housing, and testing by accessing AP SELF SERVICE at <https://www.webss.apsu.edu/>.

### Book and Supply Store

Website: [www.apsubookstore.com](http://www.apsubookstore.com)

The APSU Book and Supply Store provides the books and materials needed as part of the educational process for students. Items available include textbooks (new and used), supplies such as notebooks and folders, APSU gift items (sweatshirts, T-shirts, baseball caps, class rings and various APSU logo items), and graduation regalia. The Book and Supply Store is located in the Catherine Evans Harvill Building and can be reached at 931-221-7655.

### Child Learning Center

The Child Learning Center (CLC), a department of the Division of Student Affairs, serves children ages 2 1/2 to 5 years in the preschool program. The Child Learning Center is the recipient of the National Association for the Education of Young Children Award. Children of APSU students, staff, and faculty, as well as alumni and members of the community who meet the age requirements are eligible to attend. The Child Learning Center is located in the Sexton Building on Eighth Street, an easily accessible part of the campus. The trained and caring staff takes pride in the facility and in the developmentally appropriate curriculum. Call 931-221-6234, Monday through Friday, during regular business hours for more information.

### Student Counseling Services

The office of Student Counseling Services is located in Ellington Building, Room 202. Services are provided to promote student learning through cultural, emotional, social, intellectual, and spiritual development. Personal counseling sessions may be scheduled for a variety of issues which include adjustment to college, marriage preparation, depression, anxiety, relationship issues, stress management, low self-esteem, alcohol and drug abuse, grief, and sexuality. The primary counseling staff is made up of licensed professionals. Services are provided to students at no additional cost. Students may call 931-221-6162 for an appointment.

### Govs ID Card

The Govs Card is the official identification card for every student, faculty, and staff member at APSU. It offers a convenient, easy, and safe way to make purchases and utilize campus services. The card can also be used as a library card, meal plan card, meal money (Gov Bucks), admittance to athletic events and other campus activities, access to residence halls and the student recreation center, in vending machines, and as a U.S. Bank ATM/Debit Card. Information about the Govs ID Card is available at the Morgan University Center Information Desk, or by calling 931-221-6617.

### Health Services

The University provides health services guided by standards set by The Southern Association of Colleges and Schools and American College Health Association. The A.R. Boyd Health Services is an outpatient clinic on the campus, with either a Board Certified Family Practice Physician or Board Certified Family/Adult Nurse Practitioner on site. Services are provided for APSU students, staff, and faculty. Students are assessed a health service fee each semester enrolled. Staff and faculty seeking services through the clinic are required to pay a visit co-pay. Minor illnesses may be treated in the clinic without additional expense except

for medications, certain procedures/exams, and laboratory tests. Major illnesses are referred to the patient's family doctor or to the staff of consultants and specialists at Clarksville Gateway Hospital, an institution approved by the American Hospital Association. Medical care or related services obtained off campus is at the patient's expense. Services available at Boyd Health Services include visits with medical staff for illness and/or injury, gynecology and family planning services, well-patient physical examinations, allergy injections, immunizations and tuberculin testing, laboratory and phlebotomy services, and health education.

No medical services will be provided until a medical history is completed, signed, and filed.

In addition to this initial record, the University and Boyd Health Services reserves the right to require additional examinations and/or immunizations during any time the student is enrolled at the University.

Service may be denied to patients who are noncompliant with recommended treatment plan or for whose illness is outside the scope of clinic services.

### Public Safety – Campus Police

The APSU Campus Police station is open and staffed 24 hours a day, and is located in the Shasteen Building. Officers patrol the campus by automobile, bicycle, and on foot. The cadre of police officers attends a state police academy and are otherwise certified and trained to state standards.

The jurisdictional area extends to all facilities owned, operated, and leased by the Board of Regents, as well as public roads and right-of-ways contiguous to that property. They are armed and empowered with the same arrest authority as city and county officers. Campus officers work closely with local and state police and emergency officials, and share a common radio network. Police officers are augmented on cam-

pus by security officers and by the Student Patrol, which assist in parking and traffic control and in security during special events, and provide a security escort service for students during evening hours. Other crime prevention programs run throughout the year, including crime prevention briefings and a program for recording and engraving serial numbers on valuable items of property. Public Safety is also responsible for coordinating homeland security efforts and APSU's Emergency Preparedness Plan. For more information, contact Campus Police at 931-221-7786. For emergencies and only while on campus, dial 4848.

### **Sickness and Accident Insurance**

The University has contracted to provide, on a voluntary basis, sickness and accident insurance. The plan, including hospital and accident benefits, is available to full-time and part-time students and their family members at a reasonable cost. Students may obtain more information about this plan at Boyd Health Services in Ellington Student Services Building or at Student Affairs in the University Center, Room 206. Students are strongly encouraged to have comprehensive health insurance during their time of enrollment at the University.

### **Students with Disabilities**

APSU welcomes students with disabilities and is committed to meeting their needs. Major renovations in the form of ramps and elevators have been made to classroom buildings, the library, and administrative buildings. Some specially adapted housing units are available for students with curb cuts, ramps, etc. Parking for students with disabilities is provided at strategic locations throughout the campus. APSU's commitment to and concern for students with disabilities is further evidenced by a permanent committee designated as the Committee for Persons with Disabilities, whose objectives are to:

1. Develop policies related to the services

and activities on campus for students, faculty, and staff with disabilities;

2. Monitor questions relative to procedures and access; and
3. Make recommendations directly to the President.

This committee, in addition to other University personnel, works closely with state agencies which have programs to help students overcome difficulties they may encounter on campus as a result of their disabilities. Students with ambulatory disabilities are encouraged to visit the campus prior to enrollment and assess the physical environment for accessibility. Potential or currently enrolled students with disabilities are required to provide current documentation to substantiate a need for appropriate accommodations. For more information, students should contact the Office of Disability Services at 931-221-6230 Voice or 931-221-6278 TTY.

### **Traffic and Parking Regulations**

Students who desire to park and/or drive vehicles on the APSU campus are required to register with the Office of Public Safety in the Shasteen Building. All vehicles must display a proper parking decal and must be operated in accordance with state laws and University Traffic and Parking Regulations, distributed by the Office of Public Safety.

### **University Center**

The Morgan University Center is the center of campus life at Austin Peay. The Center is the home to the University's food service operations, featuring the cafeteria and food court. In addition, the following offices are located in the facility: Student Affairs, University Facilities, Student Life and Leadership, Career, Advisement, and Testing Center, Student Publications (The All State student newspaper), and the Student Government Association. Besides the offices listed, the Morgan University Center includes a coffee shop and meeting rooms. In the Morgan University Center you will find regu-

lar events and programs scheduled throughout the day, as well as a location to relax and refresh from your academic studies.

### University Housing

Web Address: [www.apsu.edu/housing/](http://www.apsu.edu/housing/)

The University believes that life in campus housing provides students with an essential part of the educational experience. Living in a residence hall/apartment affords students opportunities for involvement in learning communities, campus activities, shared responsibilities and community experiences. Since the majority of students' study and involvement patterns are formed early, the University requires that all full-time single freshmen students under 21 years of age, not residing with their parents or legal guardians, must reside in University housing and participate in a University meal plan while in University housing.

The University has accommodations for approximately 1,500 students. Single students are housed in residence halls, generally two to a room, or Meacham Apartments and Hand Village, four to an apartment, under the supervision of professional and student staff. Also available are Honors housing in both Harvill Hall and Two Rivers Apartments, as well as designated learning communities for first-time freshmen. Learning-living communities are located in buildings 300 and 400 of Hand Village.

Rooms in Harvill Hall are available to all classifications with a 3.0 GPA or higher. Incoming freshmen must have a minimum ACT score of 21 on file with the University to qualify for reservation in Harvill Hall. Two Rivers Apartments are reserved for any junior, senior, or graduate student with a grade point average of 3.0 or higher and no formal disciplinary record. Regulations governing certain aspects of student conduct are prescribed for all students living in residence halls or apartments.

All resident students must provide their own bed linens, towels, telephones, and other personal accessories. Students are responsible for the care and cleaning of their rooms. Laundry facilities are available in all residence halls/apartments. Internet, cable, in-house movie/information channel, and local telephone service are provided. All residences are smoke free. (One, two, and three bedroom apartments are available for married students, single parents with dependent children, or single students age 23 or older with no dependents.)

Application for University Housing should be made online at [www.apsu.edu/housing](http://www.apsu.edu/housing). Housing contracts are for the full academic year (fall and spring semesters) and renewed annually. Please refer to Housing Licensing Agreement for fee adjustment policies and deadlines.

# Course Descriptions

## Glossary for Course Descriptions

Accounting.....	ACCT
African American Studies .....	AAST
Agriculture.....	AGRI
Art .....	ART
Astronomy .....	ASTR
Biology.....	BIOL
Business Law .....	BLAW
Chemistry.....	CHEM
Classics .....	CLAS
Communication Arts.....	COMM
Computer Science .....	CSCI
Dance .....	DANC
Decision Sciences.....	DSCI
Early Childhood .....	EC
Economics.....	ECON
Education .....	EDUC
English .....	ENGL
Finance .....	FIN
French .....	FREN
General Business .....	GB
Geography.....	GEOG
Geology.....	GEOG
German.....	GERM
Global Security Studies .....	GSS
Greek.....	GREK
Health and Human Performance .....	HHP
History.....	HIST

## 250 Course Glossary

International Studies .....	INTS
Latin .....	LATN
Leadership Studies .....	LDSP
Linguistics .....	LING
Management.....	MGT
Management Information Systems.....	MIS
Marketing .....	MKT
Mathematics .....	MATH
Medical Technology .....	MTEC
Military Science and Leadership.....	MSL
Music, Applied Music, and Individual Music Instruction .....	MUS
Nursing.....	NURS
Philosophy.....	PHIL
Physical Education Activities .....	PHED
Physics .....	PHYS
Political Science .....	POLS
*Professional Studies .....	PTMA
Psychology.....	PSY
*Public Management.....	PM
Quantitative Methods.....	QM
Radiologic Technology.....	RLTN
Reading.....	RDG
Science.....	SCI
Social Work.....	SW
Sociology .....	SOC
Spanish .....	SPAN
Special Education .....	SPED
Theatre.....	THEA
Women's Studies.....	WS

\*See Fort Campbell course descriptions

## ACADEMIC SUPPORT (APSU)

### APSU 1000 - Liberal Arts in University Life (1)

An interdisciplinary course which provides students with the foundations for a successful university experience by integrating an introduction to the liberal arts with an orientation to APSU expectations. Emphasis is given to the meaning, values, and goals of a liberal education as students engage in academic and career planning, use the tools for information literacy, develop good academic habits, and become involved in campus life. Class begins during Freshman Orientation. Required for all **first-time freshmen** and students who enter APSU with fewer than 12 hours earned in a college/university setting. Student must remain enrolled in APSU 1000 until a grade of "C" is earned; no student who has earned 12 hours or more may enroll except those students who have two DSP requirements.

**ACCOUNTING (ACCT)****ACCT 2010 Principles of Accounting I (3)**

A study of fundamental principles of financial accounting beginning with the accounting cycle, including the preparation of financial statements for service and merchandising enterprises with emphasis on corporate form and organization. The primary focus is on analyzing transactions and the use of accounting concepts.

**ACCT 2020 Principles of Accounting II (3)**

*Prerequisite:* ACCT 2010

Continuation of Accounting 2010. Accounting for businesses and introduction to the preparation and use of cost and managerial accounting. Students are required to use financial analysis tools for management level decision making, budgeting, and forecasting.

**ACCT 3000 Managerial Accounting (3)**

*Prerequisite:* ACCT 2020; *junior standing*; *Business majors must also meet the BBA admission requirement.* NOTE: *Not open to accounting majors.*

Issues associated with both the creation of accounting information and its use as the basis for managerial decision making. The course emphasizes budgeting methods, analysis of profitability, importance of cost controls, and necessity of timely accounting information.

**ACCT 3010 Intermediate Accounting I (3)**

*Prerequisites:* ACCT 2010, 2020 with a minimum grade of "C" in both; *junior standing*; *Business majors must also meet the BBA admission requirement.*

This is an intensive study of environment and theoretical structure of financial accounting and reporting with advanced problems pertaining to the corporate form of ownership. Major topics include financial statement reporting and disclosures; the accounting processes; time value of money concepts; and asset recognition and measurements of cash and temporary investments, receivables, inventories, operational assets, intangibles, investments, and current liabilities.

**ACCT 3020 Intermediate Accounting II (3)**

*Prerequisite:* ACCT 3010 with a minimum grade of "C"

This study of advanced topics in financial accounting and reporting extends the coverage of ACCT 3010. The focus is on how enterprises account for long-term liabilities, stockholders' equity; earnings per share; reporting for income taxes; derivative instruments, pensions and post-retirement benefits; leases; changes and error analysis; and segment and interim reporting.

**ACCT 3100 Financial Statement Analysis and Valuation (3)**

*Prerequisite:* ACCT 2020; *junior standing*; *Business majors must also meet the BBA admissions requirements.*

Critically analyze published annual reports, make decisions using financial information, identify particular accounting issues, recognize the limitations of accounting information, and consider the economic consequences of accounting decisions. Business analysis and valuation.

## 252 Accounting (ACCT)

### **ACCT 3110 Cost Accounting (3)**

*Prerequisites:* ACCT 2010, 2020 with a minimum grade of "C" in each; junior standing; Business majors must also meet the BBA admission requirements.

In-depth coverage of principles, techniques, and challenges of modern cost accounting and cost management used within the organizations for planning, control, and decision making from a strategic perspective. Topics of current interest include: job order and process costing, cost behavior, joint and by-product cost allocation, activity-based costing, variable costing, budgeting, standard costing systems, variance analysis, performance measurement, and quality control.

### **ACCT 3210 Computer Applications in Accounting (3)**

*Prerequisites:* ACCT 2020, Computer Literacy, junior standing; Business majors must also meet the BBA admission requirements.

A heavily application-oriented course where students will gain experience using accounting, database, spreadsheet, and other business software, while becoming familiar with internet resources related to accounting.

### **ACCT 3410 Not-for-Profit Accounting (3)**

*Prerequisites:* ACCT 2020; Business majors must also meet the BBA admission requirements.

Fund and budgetary accounting by state and local governments. Federal government accounting and reporting is discussed. Additionally, accounting for other not-for-profit organizations such as hospitals, universities, voluntary health and welfare organizations will be introduced.

### **ACCT 3510 International Accounting (3)**

*Prerequisites:* ACCT 2020; junior standing; Business majors must also meet the BBA admission requirements.

The effect of culture, economy, and history on the development of accounting and financial reporting standards within nations; comparison of financial statements between countries; international risk management; the move towards harmonization of accounting standards.

### **ACCT 3610 Forensic Accounting (3)**

*Prerequisites:* ACCT 2010, or prerequisite may be waived by Director's approval for Homeland Security majors.

Foundations of Forensic Accounting will be introduced. Additional topics to be examined include international issues and current events in accounting, as well as exposure to the "new" world of accounting and its ever-changing environment and ethical scenarios highlighting the ethical responsibilities of accountants.

### **ACCT 3710 Accounting Information Systems (3)**

*Prerequisites:* ACCT 3210, Computer Literacy, junior standing; Business majors must also meet the BBA admissions requirements.

Accounting information systems including data/information handling, concepts, practices, professional ethics, and internal controls. Students are required to complete manual and computerized accounting information systems projects, and research and prepare a written report.

**ACCT 4210 Auditing (3)**

*Prerequisites:* ACCT 3020, 3210, 3710

Auditing includes study of evidence, internal controls of an organization, professional ethics, and legal issues related to auditing, reporting on audit results and standards. Financial auditing will be emphasized; operational or internal auditing and techniques similar to auditing such as reviews and compilations.

**ACCT 4220 Auditing II (3)**

*Prerequisite:* ACCT 4210

Auditing practice and theory emphasizing current authoritative professional literature and case studies. Students are required to research and prepare written reports and make presentations using multimedia technology. Includes an individual audit practice case and a group simulated audit.

**ACCT 4310 Income Tax Accounting (3)**

*Prerequisite:* ACCT 2020; *junior standing*; *Business majors must also meet the BBA admission requirements.*

Introduction to Internal Revenue Code and Treasury Department regulations with emphasis on the determination of income and statutory deductions to compute taxable net income; taxation of gains and losses on property transactions; the alternative minimum tax. Introduction to the use of tax and financial planning techniques.

**ACCT 4320 Corporate and Business Entities Taxation (3)**

*Prerequisite:* ACCT 2020; *junior standing*; *Business majors must also meet the BBA admission requirements.*

A study of tax issues involved in the formation, capital structure, operation, liquidation, reorganization, and acquisitions of U.S. corporations, partnerships, sole proprietorships, and limited liability companies (LLCs); particular attention is devoted to C and S corporations. This course provides the tax background necessary to understand the structure of many common business transactions.

**ACCT 4510 Advanced Accounting (3)**

*Prerequisite:* ACCT 3020

Advanced accounting topics, business combinations and consolidations, partnership, international accounting, including foreign currency transactions and financial statement translations, segment and interim reporting, and accounting for bankruptcies and liquidations.

**ACCT 4610 Accounting Theory (3)**

*Prerequisite:* ACCT 3020

Selected readings from current literature, periodicals, and official publications from accounting organizations. Examination of both the historical development and current state of accounting theory, principles, and practice, and the environment influencing accounting practice. Consideration of theoretical issues associated with financial reporting. Students will write a research paper using information obtained from a variety of sources.

**ACCT 490A,B,C Special Problems in Accounting (1, 2, 3)**

*Prerequisites:* *senior standing and permission of department chair*

Supervised independent study of accounting topics (outside of classroom) which are academically relevant and of interest to both student and faculty.

## 254 African American Studies (AAST)

### AFRICAN AMERICAN STUDIES (AAST)

#### **AAST 2000 Contemporary African American Life (3)**

Contemporary issues and achievements in African American life will be addressed in this course. The experiences of African Americans and other racial and ethnic groups will be compared and contrasted. In addition, students will develop strategies they can use with families, coworkers, and peers to create better race relations in their immediate environments and nation as a whole.

#### **AAST 2200 Introduction to African American Studies (3)**

A reading and discussion course that gives an analysis of the African American experience from a cultural, historical, social, political, and psychological perspective.

#### **AAST 2250 African American Expressive Culture (3)**

Various aspects of expressive culture within the African American community; for example, music, dance, and art will be explored. Students will learn the importance of these art forms in the daily lives of African Americans. This course will also highlight the achievements and contributions of African American artists to the world.

#### **AAST 300 A,B,C Selected Topics in African American Studies (3)**

Examination of a selected topic by an instructor relevant to issues in the field of African American Studies.

#### **AAST 3000 Africana Women Across Cultures (3)**

The roles (lifestyles, value systems, occupations) of women of African descent living in various parts of the world will be explored, compared, and contrasted. In addition, students will analyze the impact of racism, sexism, and economic oppression on the lives of these women.

#### **AAST 3020 Seminar in African American Studies (1-6)**

The focus of the seminar is determined by the individual instructor. Generally, selected seminar topics are too narrow for three-credit courses. More than one seminar may be offered in a given semester ranging from one to six credit hours. Up to six seminar hours may apply towards the minor in African American Studies.

#### **AAST 3100 Black Leaders of the Twentieth Century (3)**

*Prerequisite:* AAST 2200 or permission of instructor

An intellectual study of African American leaders of the 20th century, including Booker T. Washington, Ida B. Well-Barnett, W.E.B. DuBois, James Weldon Johnson, Marcus Garvey, Mary McLeod Bethune, and Charles Hamilton Houston. Focus on issues and schema of race, gender, and class relative to selected subjects and their participation in mass social movements.

#### **AAST 3200 Study Abroad in Ghana, West Africa (6)**

*Prerequisites:* AAST 2200 or permission of instructor

This course is designed to expose students to various aspects of life in Africa through a diverse range of topics, including the past, present, and future of African culture and societies, the transatlantic slave trade, and the efforts of one of the premiere developing countries to reclaim its nationhood.

**AAST 4000 African American Studies Research (3)**

This course will be divided into two components. In the first component, students will learn research methodologies appropriate for African American Studies. In the second component, students will identify a topic of interest and develop a research project. The final project should be publishable and presented to an audience of African American Studies researchers and professionals.

**AAST 4100 African American Studies Field Experience (4)**

*Prerequisite: permission of director*

Students in consultation with the Director of African American Studies will complete a supervised experiential-based, work/volunteer assignment within Clarksville or surrounding areas. The Director may approve placements in other geographical locations. During the assignment, students will apply the theories and research methodologies learned in other African American Studies courses.

**AAST 4200 African Philosophy (3)**

*Prerequisite: AAST 2200, AAST 4000, or permission of instructor*

This course explores ancient, traditional, and contemporary philosophical/theoretical concepts and doctrines of Africans through an investigation of their cosmological, metaphysical, ontological, and ethical worldview.

**AGRICULTURE (AGRI)****AGRI 1000 Survey of Agriculture (1)**

Agricultural institutions and career opportunities and agriculture's ability to meet the food and fiber needs of society.

**AGRI 1140 Pests, Society and Environment - Three hours lecture, two hours lab (4)**

The biology and nature of pest species and their impact on society. Principles of integrated pest management in relation to environmental quality and sustainability.

**AGRI 1310 Animal Science (3)**

Importance and role of nutrition, physiology, breeding, selection, and management in animal production. Emphasis is placed on domestic farm animals.

**AGRI 1410 Plant Science - Three hours lecture, two hours lab (4)**

Fundamentals of science and economic importance of plants and their relationship to agriculture and society.

**AGRI 2210 Soils - Three hours lecture, two hours lab (4)**

*Prerequisite: sophomore standing*

Soil types, formation, chemical and physical composition, colloids, moisture, conservation, fertility, and classification.

**AGRI 2310 Animal Management Practices (3)**

*Prerequisite: AGRI 1310 or permission of instructor*

Livestock management and practices performed on a routine basis. Emphasis placed on restraints, working facilities, physical procedures performed, and humane treatment of animals.

## 256 Agriculture (AGRI)

### **AGRI 2410 Fruit and Vegetable Production (3)**

*Prerequisite: sophomore standing*

Science and production practices of orchards, small fruit plantings, and vegetable gardens for home and small commercial operations.

### **AGRI 2500 Introduction to Agri-Business (3)**

*Prerequisite: sophomore standing*

Role and scope of agri-business; organization forms including cooperatives, agricultural marketing, management, and financial systems; diffusion of agricultural technology.

### **AGRI 3000 Conservation (3)**

*Prerequisite: sophomore standing*

Use and abuse of natural resources. Historical perspectives and current management of forests, wildlife, and soils, including aspects of recreational use and pollution problems.

### **AGRI 3020 Agriculture Power and Machinery (3)**

*Prerequisite: junior standing or permission of instructor*

Agricultural power sources and machinery, work and power transformation, engine and machinery calculations, field capacities, field efficiency, break even use, and machinery adjustments.

### **AGRI 3110 Animal Health and Disease Control (3)**

*Prerequisites: AGRI 1310, BIOL 1010, or permission of instructor*

The lines of defense of the body and how common disorders are diagnosed and treated, as well as how to develop good herd health programs.

### **AGRI 3210 Fertilizers and Soil Fertility (2)**

*Prerequisite: CHEM 1010 or equivalent*

Sources and properties of fertilizers and other soil amendments, methods of application, and soil chemistry.

### **AGRI 3220 Soil and Water Conservation - Two hours lecture, two hours lab (3)**

*Prerequisite: AGRI 2210 or GEOL 1040*

Problems and methods of soil and water conservation; topography, water control structures, and farm planning for sustained use of land.

### **AGRI 3310 Animal Nutrition and Feeding - Three hours lecture, two hours lab (4)**

*Prerequisites: AGRI 1310, CHEM 1010, or permission of instructor*

Scientific aspects of nutrition, including digestion, absorption, and metabolism of nutrients, and ration formulation.

### **AGRI 3330 Beef Production Management (2)**

*Prerequisites: AGRI 1310, junior standing or permission of instructor*

Beef cattle production systems and application of the principles of nutrition, physiology, breeding, and management to the production of beef.

**AGRI 3340 Swine Production Management (2)**

*Prerequisite:* AGRI 1310, *sophomore standing or permission of instructor*

Swine production systems and application of the principles of nutrition, physiology, breeding, and management to the production of pork.

**AGRI 3350 Horse Production (2)**

*Prerequisite:* AGRI 1310, *sophomore standing or permission of instructor*

Integration of principles of nutrition, physiology, and breeding into the management of horses.

**AGRI 3360 Dairy Production Management (2)**

*Prerequisites:* AGRI 1310, *junior standing or permission of instructor*

Application of principles of nutrition, physiology, and breeding to the managing of milk production.

**AGRI 3370 Poultry Production Management (2)**

*Prerequisite:* AGRI 1310, *sophomore standing or permission of instructor*

Poultry production systems and application of principles of nutrition, physiology, and breeding to the management of poultry.

**AGRI 3380 Companion Animal Management (2)**

*Prerequisite:* *sophomore standing*

Study of animals bred and maintained for man's amusement and companionship, including principles of nutrition, physiology, breeding, training, and economic impact.

**AGRI 3400 Ornamental Gardening (3)**

*Prerequisite:* *sophomore standing*

Design, planting, culture, and maintenance of herbaceous ornamental plants including annuals, biennials, perennials, bulbs, herbs, and wildflowers.

**AGRI 3410 Landscaping - Two hours lecture, two hours lab (3)**

*Prerequisite:* *sophomore standing*

Identification, culture, design, uses, and maintenance of perennials, turf grasses, and woody plant material for home residences.

**AGRI 3420 Forage Crops (3)**

*Prerequisite:* AGRI 1410 *or permission of instructor*

Distribution, structure and growth, improvement, culture, harvesting, and identification of forage crops adapted to this region.

**AGRI 3430 Applied Weed Science (3)**

*Prerequisite:* AGRI 1410 *or permission of instructor*

Characteristics, importance, and identification of prominent weed species; integrative weed management concepts.

**AGRI 3500 Agriculture Economics (3)**

*Prerequisite:* *junior standing or permission of instructor*

Study of the allocation of agricultural resources, land, labor, capital, and management. Production costs, price determination, marketing, and finance.

## 258 Agriculture (AGRI)

### **AGRI 3610, 3620 Internship in Agriculture (2 each)**

*Prerequisites: approval of agriculture advisor and prior arrangements with agency*

Learning experience acquired through supervised part-time unsalaried placement with an agricultural business or agency. Grading on a pass/fail basis.

### **AGRI 4010, 4020 Agriculture Seminar (1 each)**

*Prerequisite: junior standing*

Preparation and presentation of reports on specially assigned current topics in agriculture.

### **AGRI 4110 Agro-Terrorism (3)**

*Prerequisite: sophomore standing*

Threats to U.S. security involving the industry of Agriculture—including animal and plant diseases, toxic and explosive agricultural chemicals, invasive species, and natural disasters. Additional topics include surveillance, risk appraisal, protecting food supply, and examples of terrorist types.

### **AGRI 4210 Soil Genesis, Taxonomy, Mapping - Two hours lecture, four hours lab (4)**

*Prerequisite: AGRI 2210 or GEOL 3100*

Soil formation, morphology, profile description, classification, and mapping.

### **AGRI 4230 Land Use (3)**

*Prerequisite: sophomore standing*

Use of land for agriculture, industry, recreation, urbanization, etc; environmental concerns, regional planning, use of soil surveys, and factors in decision making.

### **AGRI 4310 Reproduction in Farm Animals - Two hours lecture, two hours lab (3)**

*Prerequisites: AGRI 1310, BIOL 1010*

Anatomy, physiology, and endocrine control of the reproductive system of farm animals; the application of these principles to the management of livestock, artificial insemination, and embryo transfer.

### **AGRI 4410 Tobacco and Grain Crops (3)**

*Prerequisite: sophomore standing*

Origin, history, classification, uses, and cultural practices of tobacco, wheat, corn, and soybeans.

### **AGRI 4420 Forestry - Two hours lecture, two hours lab (3)**

*Prerequisite: sophomore standing*

Introduction to forestry, reforestation, mensuration, harvesting, utilization, and wildlife conservation.

### **AGRI 4430 Genetics of Crops and Livestock (3)**

*Prerequisites: AGRI 1310, 1410, or permission of instructor*

Mechanisms of heredity including Mendelian Principles, linkage, gene action, hybrids, mutation, and lethal genes with application to modern systems of breeding used in crops and livestock.

**AGRI 4440 Plant Pathology (3)**

*Prerequisite:* junior standing or permission of instructor

Identification, nature, and control of diseases of agricultural and garden crops. Control measures include chemical, biological, and cultural means.

**AGRI 4500 Farm Planning and Management - Three hours lecture, two hours lab (4)**

*Prerequisite:* 12 hours credit in agriculture or permission of instructor

Organizing and operating the farm business with emphasis on allocation of land, labor, and capital.

**AGRI 4610, 4620 Cooperative Educational Experience (5 each)**

*Prerequisites:* approval of agriculture advisor and prior arrangement with employer

Learning experience acquired through supervised full-time salaried employment with an agricultural business or agency. Grading on a pass/fail basis.

**AGRI 4800 Agronmeterology - Three hours lecture, two hours lab (4)**

*Prerequisite:* GEOG 1010, MATH 1010 or higher

The meteorological, climatological, and hydrological conditions significant to optimum crop growth and livestock production, including regional suitability of crops and livestock, short-term adjustments to minimize losses from adverse weather, and long-range planning based on seasonal forecasts and climate change. Application of GIS-based software to predict impacts of weather on agriculture.

**AGRI 4910, 4920, 4930 Special Problems (1-3 hours)**

*Prerequisite:* permission of instructor

May be repeated for credit.

**ART (ART)**

Some courses are not offered every year.

Please consult with your advisor about scheduling.

**ART 1010 Two-Dimensional Design (3)**

Fundamental experience in two-dimensional design, with emphasis on the elements and principles of design and creative development, and media skills training.

**ART 1020 Three-Dimensional Design (3)**

Fundamental experiences in three-dimensional design, with emphasis on the elements and principles of design and creative development, and media skills training.

**ART 1030 Art Appreciation (3)**

Course renumbered from Art 2000

The relationship and influences of the visual arts on the individual and culture.

**ART 1040 Drawing I (3)**

The fundamentals of drawing for visual arts.

**ART 1050 Drawing II (3)**

*Prerequisites:* ART 1010, 1040

Drawing the human form and study of anatomy in composition.

## 260 Art (ART)

### **ART 1070 Electronic Imaging (3)**

The use of Macintosh computer hardware and software as a visual arts tool.

### **ART 2010 Art History, Survey I (3)**

A history of the visual arts from cultures throughout the world, from prehistory to 1300 A.D., that examines works of art within their social, political, economic, religious, technological, and philosophical contexts.

### **ART 2020 Art History, Survey II (3)**

A history of the visual arts from cultures throughout the world, from 13th to 20th centuries, that examines works of art within their social, political, economic, religious, technological, and philosophical contexts.

### **ART 2030 Printmaking I (3)**

*Prerequisites:* ART 1010, 1040

The study and practice of relief and intaglio printmaking techniques with an emphasis on the development of hand skills and basic inking and printing methods.

### **ART 2040 Painting I (3)**

*Prerequisites:* ART 1010, 1040

The fundamentals of pictorial composition with emphasis on individual creative expression. An investigation of material and techniques in oil and polymer painting.

### **ART 2050 Pottery, Ceramics I (3)**

Use of slab, coil, pinch, and modeling, and introduction to wheel construction methods of forming ceramic vessels. Glazes and surface decoration are included.

### **ART 2070 Sculpture I (3)**

*Prerequisites:* ART 1020, 1040

Introduction to sculptural techniques and materials. Included are modeling, carving, construction, and casting.

### **ART 2090 Photography I (3)**

Introduction to creative black and white photography with small-format camera.

Introduction to development of film, camera use, and darkroom procedure.

### **ART 2320 Graphic Design I (3)**

*Prerequisites:* ART 1010, 1040

Graphic design fundamentals and layout techniques, design of comprehensives, commercial craftsmanship, and image making.

### **ART 2520 Typography (3)**

*Prerequisites:* ART 1010, 1040

An introduction to basic layout with type, type design, study of styles, and history of typography.

**ART 3080 Illustration I (3)**

*Prerequisites:* ART 1010, 1040, 2320, or permission of instructor

Exploring the invention of images related to visual communications and illustration techniques. Emphasis will be placed on research, conceptualization, and visualization processes as they relate to graphic design.

**ART 3110 Prepress Production (3)**

*Prerequisite:* ART 2320

An introduction to methods of preparing design for commercial printing, using Macintosh systems and software. Topics include document and image preparation, printing presses, separation, etc.

**ART 3140 Art Education I (3)**

Concepts of art education in public school programs; laboratory experiments in media and techniques; and child development and learning based on visual experiences. Methods of teaching at elementary grade level.

**ART 3150 Art Education II (3)**

*Prerequisite:* ART 3140

Study of the nature and practice of the art specialist in the teacher-learning situation. Planning educational objective, units for learning, methods of evaluation, and administration of art programs in public schools. Includes 18 hours of classroom observation.

**ART 3160 Art Education III (3)**

*Prerequisite:* ART 3150

Study of recent research findings in Art Education. Students study the history of art education and complete a comprehensive plan for a course of study in criticism of art objects.

**ART 3170 Advanced Digital Imaging (3)**

*Prerequisite:* ART 1070 or permission of the instructor

Specialized course in the use and understanding of advanced digital imaging programs with an emphasis on motion and time. Macintosh platform programs approached with studio art applications.

**ART 3200 Art History, United States (3)**

A contextual study of the achievements in architecture, painting, and sculpture from the Colonial 17th century through the modern 20th century.

**ART 3220 Modern Art, 19th and 20th Century (3)**

*Prerequisites:* ART 2010, 2020

Study of major developments in European and American painting, sculpture, and architecture from the French Revolution to the end of WWII.

**ART 3230 Art History, Contemporary (3)**

*Prerequisites:* ART 2010, 2020

Historical precedents and methods of criticism will be used as criteria for study of images from the 1960s to the present.

## 262 Art (ART)

### **ART 3240 Art History, History of Photography (3)**

A study of the invention and development of photographic processes and styles from a socio-historical stance for an understanding of photography's place in history, art history, and the history of communication.

### **ART 324x Art History, Special Topics (3)**

*Prerequisites:* ART 2010, 2020, or permission of the instructor

An in-depth study of selected topics in the history of art, including specific artists, stylistic movements, methodology, and/or art criticism. Topics to be announced. May earn up to a total of six hours of 324x courses.

### **ART 3270 History of Graphic Design (3)**

*Prerequisites:* ART 2010, 2020

Study of visible language and visual communication in graphic arts and design. Emphasis will be placed on art historical developments as they relate to graphic design in the 20th century.

### **ART 3340 Drawing III (3)**

*Prerequisite:* ART 1050

Use of drawing media for creative image making.

### **ART 3370 Web Design (3)**

*Prerequisite:* ART 1070

Focus on the design of internet sites. Emphasis placed on the visual design, navigation development, communication, and authoring websites.

### **ART 3430 Printmaking II (3)**

*Prerequisites:* ART 1010, 1040

The study and practice of photo-mechanical processes as they relate to printmaking. Techniques will include photo-silkscreen and various print formats using traditional and experimental image-making methods.

### **ART 3440 Painting II (3)**

*Prerequisite:* ART 2040

A continuation of any painting medium or combination of medium, with emphasis on individual problems and the organization of ideas in creative design.

### **ART 3450 Ceramic Sculpture (3)**

*Prerequisites:* ART 1020, 1040

Use of clay bodies to construct sculpture forms utilizing slab, modeling, coil, cast, thrown, extruded, or experimental forming techniques to make creative statements in sculpture.

### **ART 3530 Printmaking III (3)**

*Prerequisites:* ART 1010, 1040

Printmaking forms in both traditional methods and new techniques, including photolithography, collography, and monitoring.

**ART 3540 Drawing IV, Thematic Development Drawing (3)**

*Prerequisites:* ART 2010, 2020, 3340

An advanced drawing course in which students develop and explore self-directed serial imagery, and examine their work in both an historical and contemporary critical context.

**ART 3550 Glazes and Surface Design (3)**

*Prerequisite:* ART 2050

Advanced experimentation in design and creation of surface effects and coatings on fired ceramic objects, especially glaze formulating.

**ART 3560 Painting, Watercolor I (3)**

*Prerequisites:* ART 1010, 1040

Explore the concepts and techniques of pictorial composition using watercolor. Intermediate level studio course for students with proven skills in drawing and painting.

**ART 3570 Sculpture II (3)**

*Prerequisite:* ART 2070

A continuation of Sculpture I with emphasis on personal artistic development in combining media and techniques in sculptural forms.

**ART 3590 Photography II (3)**

*Prerequisite:* ART 2090

A continuation of Photography I. Students work toward improving their darkroom skills and developing a personal direction for their work. Documentary and studio photography are introduced, as well as creative, alternative process.

**ART 3650 Pottery-Ceramics II (3)**

*Prerequisite:* ART 2050

Advanced work in design and techniques of creating ceramic vessels.

**ART 3690 Digital Photography (3)**

*Prerequisites:* ART 1070, 2090

Exploration of photography through digital media, to include digital camera, computer hardware, and software.

**ART 4040 Painting III (3)**

*Prerequisite:* ART 3440

Advanced studio experiences for painters, exploring content, techniques, and mediums employed by contemporary artists. Studies in professional portfolio development for painters, and technical preparations and display of works on panel and canvas.

**ART 4060 Painting, Watercolor II (3)**

*Prerequisite:* ART 3560

Advanced studio experience for watercolors; exploring content, techniques, and mediums employed by 19th and 20th century Asian and Western artists. Topics include studies for development of a professional watercolor portfolio and presentation/display of works on paper.

## 264 Art (ART)

### **ART 4070 Sculpture III (3)**

*Prerequisite:* ART 3570

This course will focus on critical thinking, creative problem solving, and development of a personal visual vocabulary. Students will research contemporary issues in sculpture and use those ideas in the development of their personal work.

### **ART 4080 Illustration II (3)**

*Prerequisite:* ART 3080

Focus on the development of a personal technique, style, posture, and vocabulary. Emphasis will be on images that concentrate on book and editorial illustration.

### **ART 4085 Illustration III (3)**

*Prerequisite:* ART 4080

Advanced studio experience for illustrators. Topics will include the relationship of image to text, narrative development, and self-directed imagery.

### **ART 4090 Problems in Art (3)**

*Prerequisite:* permission of instructor

A continuation of work in a specific media under the direction of an instructor in a scheduled class. May be repeated for a second three hours, but may not be enrolled in for six hours concurrently.

### **ART 410x Topics in Studio Art (3)**

*Prerequisite:* permission of instructor

Concentrated study in a studio area. In-depth research on specific artists, movements, periods, current issues, and/or problems in studio art. Topics to be announced. May be repeated, but credit is limited to three hours per topic.

### **ART 4120 Graphic Design II (3)**

*Prerequisite:* ART 2320

Intermediate study and skill development in the visual elements and media used in layout and design development for comprehensives.

### **ART 4125 Graphic Design III (3)**

*Prerequisite:* ART 2520, 4120

Advanced study and skill development in the visual elements and media used in layout and design development for comprehensives.

### **ART 4150 Studio, Senior Seminar (3)**

*Prerequisites:* approval/acceptance to the BFA program; approval of semester contract by instructor

ART 4150 and ART 4160 must be taken during different semesters. A lecture/lab course; lecture focuses on business of art and design by directing students to define their professional goals and discuss career options. Students will select a faculty mentor to oversee their studio/lab work.

**ART 4160 Senior Thesis II (3)**

*Prerequisites:* ART 4150, approval of semester contract by instructor

A capstone course for BFA Majors that focuses on the business of art by directing students to define their professional goals, discuss career options, and develop a professional portfolio. Students continue independent work with their faculty mentors. Students will present a final exhibition of work that is representative of their course of study.

**ART 4190 Photography III (3)**

*Prerequisite:* ART 3590

A continuation of Photography II. Students are expected to be more self-directed in developing the content of their projects. Idea development and issue related work is emphasized. Digital imaging is used as a tool, as well as alternative darkroom processes.

**ART 4310 Art Internship (3)**

*Prerequisite:* permission of instructor and department chair

On-the-job training for art students who have art-related job opportunities. May be repeated for a second three hours, but may not be enrolled in for six hours concurrently.

**ASTRONOMY (ASTR)****ASTR 1010 Planetary Astronomy - Three hours lecture, three hours lab (4)**

*Corequisite:* ASTR 1011

The subjects of planetary astronomy such as the planets and their moons, planetary geology, the sun, the origin of the solar system; the tools and methods of astronomy including celestial observation, light and other types of radiation, telescopes and spectroscopy. Laboratory 1211 is to be taken concurrently.

**ASTR 1020 Stellar Astronomy - Three hours lecture, three hours lab (4)**

*Corequisite:* ASTR 1021

The subjects of stellar astronomy such as starbirth, starlife, stardeath, pulsars, blackholes, galaxies, Quasars, and cosmology; the tools and methods of astronomy including locating and naming stars and constellations, light and other radiation, telescopes, and spectroscopy. Laboratory 1221 is to be taken concurrently.

**ASTR 2010 Problems in Planetary Astronomy (1)**

*Prerequisites:* ASTR 1010 and completion of math core course

Problems to accompany ASTR 1010 Planetary Astronomy for students seeking mathematical foundation to planetary astronomy.

**ASTR 2020 Problems in Stellar Astronomy (1)**

*Prerequisites:* ASTR 1020 and completion of math core course

Problems to accompany ASTR 1020 Stellar Astronomy for students seeking mathematical foundation to stellar astronomy.

**ASTR 3005 Observational Astronomy - One hour lecture, three hours lab (2)**

*Prerequisites:* ASTR 1010 or 1020; *Corequisite:* ASTR 3006 (concurrent enrollment is required)

This course will involve a significant number of nighttime observing hours each week. Students will learn the constellations and stars of the night sky. They will learn to set up, align, and use several different types of telescopes.

## 266 Astronomy (ASTR)

### **ASTR 3010 History of Astronomy (3)**

*Prerequisites:* ASTR 1010, 1020

This course examines the historical development of the science of astronomy. Beginning with the ancient cultures and their religious associations with astronomy, through the philosophies of the ancient Greeks, and moving into the renaissance era with Copernicus, Kepler, Galileo, and finally Newton. The course concludes with the modern era and the development of modern theories in astronomy and astrophysics.

### **ASTR 3020 Cosmology (3)**

*Prerequisites:* MATH 1110 or higher, ASTR 1010, 1020

This course examines current theories on the origin and evolution of the universe. The subjects of the course will include the Big Bang theory, cosmological inflation, dark matter, dark energy, and the final fate of the universe.

### **ASTR 3030 Methods and Instrumentation in Astronomy (3)**

*Prerequisites:* PHYS 2120; *Corequisite:* ASTR 3031

Detailed introduction to the techniques and instrumentation used in modern observational astronomy. Includes astronomical sources, observational limits, telescopes, atmospheric effects, spectrographs, single-channel detectors and advanced solid-state detectors of all types.

### **ASTR 3040 Astrobiology (3)**

*Prerequisites:* Completion of math core course, completion of one course (two are recommended) in Astronomy, Biology, Chemistry, Physics, or Geography.

Introduction to Astrobiology. Topics include the formation of stars and planets, stellar habitable zones, properties of life, origin and evolution of life on Earth, the search for life elsewhere in the Universe, mass extinctions, extremophiles, space missions, SETI, Drake equation. Designed for non-science, liberal arts majors.

### **ASTR 4000 Astrophotography and Image Processing - One hour lecture, six hours lab (3)**

*Prerequisites:* ASTR 1010, 1020; *Corequisite:* ASTR 4001

This course will involve a significant number of nighttime observing hours each week. Students will learn the fundamentals of astrophotography using web cams; digital, CCD and video cameras; and the techniques of image processing for scientific and aesthetic value. A basic knowledge of photography, either 35mm or digital, is essential for successful completion of this course.

### **ASTR 4010 Astrophysics 1: Introduction to Stellar Structure and Evolution (3)**

*Prerequisites:* ASTR 1020, 2020, PHYS 2120, MATH 3120 or PHYS 3005

Introduces the physics of the sun and stars. Includes properties of E&M radiation, stellar distances and magnitudes, radiative transfer, the sun, the ISM and star formation, stellar evolution, stellar endpoints and variable stars.

### **ASTR 4020 Astrophysics 2: Galactic Structure and Cosmology (3)**

*Prerequisites:* ASTR 4010

Includes galactic coordinates, galactic rotation curves, N-body concepts and the virial theorem, Galactic formation and evolution, external galaxies, galaxy cluster evolution, Hubble's law and the distance scale, large-scale structure, cosmology and the particle physics connection.

**ASTR 4150 Special Topics in Astronomy (1)****ASTR 4160 Special Topics in Astronomy (2)****ASTR 4170 Special Topics in Astronomy (3)**

*Prerequisites:* ASTR 1010, 1011, 1020, 1021 and permission of instructor

Selected topics of interest in advanced astronomy. Topics to be chosen by the instructor and students. ASTR 4150, ASTR 4160 and ASTR 4170 may be taken for different topics for a total of up to 15 credit hours combined.

**ASTR 4151 Research Experience (1)****ASTR 4161 Research Experience (2)****ASTR 4171 Research Experience (3)**

*Prerequisites:* ASTR 1010, 1011, 1020, 1021 and permission of instructor

Research activities in astronomy agreed on by the students and instructor which may emphasize lab techniques or data acquisition and analysis. Written and oral reports are required. ASTR 4151, ASTR 4161 and ASTR 4171 may be repeated for different research areas for a total of up to 15 credit hours combined.

**ASTR 4950 Independent Study in Astronomy (1)****ASTR 4960 Independent Study in Astronomy (2)****ASTR 4970 Independent Study in Astronomy (3)**

*Prerequisites:* ASTR 1010, 1011, 1020, 1021 and permission of instructor

Current topics in astronomy. Topics to be chosen by student. Subject to be approved by instructor. May be repeated with permission of instructor.

## **BIOLOGY (BIOL)**

**BIOL 1010 Principles of Life -Three hours lecture, three hours lab (4)**

A course for non-science majors. Topics covered include scientific methodology, the nature of living organisms, cell structure and function, cell chemistry and division, nature of heredity and gene action, and the theory of evolution. BIOL 1010 will not serve as a prerequisite of upper division biology courses.

**BIOL 1020 Diversity of Life -Three hours lecture, three hours lab (4)**

A course for non-science majors. The course reviews basic scientific methodology and surveys the kingdoms of life with particular attention to the evolution and ecology of these forms. The portion of the course involving vertebrate animals will include discussions of selected human systems. BIOL 1020 will not serve as a prerequisite of upper division biology courses.

**BIOL 1040 Human Biology -Three hours lecture, three hours lab (4)**

A course for non-science majors. A survey of human structure, function, evolution, and ecology. Topics covered include scientific methodology, biological chemistry, cells, tissues, organ systems, genetics and human development, evolution, and ecology. BIOL 1040 will not serve as a prerequisite of upper division biology courses.

## 268 Biology (BIOL)

### **BIOL 1110 Principles of Biology - Three hours lecture, three hours lab (4)**

A principles course for students majoring or minoring in biology or other sciences. Topics include scientific methodology, an overview of the physiological processes of living organisms including metabolism and energy transfer, concepts of inheritance and the nature of genes, and foundational concepts of evolution and ecology. A brief overview of the kingdoms of life and the rudiments of classification will be presented.

### **BIOL 2010 Human Anatomy and Physiology - Three hours lecture, three hours lab (4)**

Designed for students in health and human performance, psychology, nursing, and allied health programs. Structure and function of the human body, with emphasis on cellular structure and function, tissues, and the integumentary, skeletal, muscular, nervous, and endocrine systems will be discussed.

### **BIOL 2020 Human Anatomy and Physiology - Three hours lecture, three hours lab (4)**

*Prerequisite:* BIOL 2010

Continuation of BIOL 2010. Treats the cardiovascular, lymphatic, immune, respiratory, digestive, and excretory systems, water and electrolyte balance, human reproduction, growth, and development, and human genetics.

### **BIOL 2300 Principles of Microbiology - Three hours lecture, three hours lab (4)**

*Prerequisite:* eight hours of Biology

An introductory study of bacteria, viruses, fungi, and protozoans with particular emphasis on their relationship to infection and disease. Asepsis, immunity, sterilization, and special problems related to patients and hospitals. Completion of BIOL 2300 does not substitute for BIOL 3050 for a Biology major or minor.

### **BIOL 3050 Microbial Diversity - Three hours lecture, three hours lab (4)**

*Prerequisite:* BIOL 1110

The evolutionary process will provide an overarching theme in a comparative study of the morphology, physiology, and ecology of representative microorganisms. The coevolution of hosts and pathogens will also be discussed. The term microorganism includes subcellular viruses, bacteria, protists, and microscopic fungi.

### **BIOL 3060 Zoological Diversity - Three hours lecture, three hours lab (4)**

*Prerequisite:* BIOL 1110 or 2020

A comparative study of the taxonomy, functional morphology, development, ecology, and evolution of representative animals.

### **BIOL 3070 Botanical Diversity - Three hours lecture, three hours lab (4)**

*Prerequisite:* BIOL 1110

An evolutionary survey of the plant kingdom (including macroscopic fungi), involving a comparative study of the structure, reproduction, life cycle, and importance of representatives from the various groups.

**BIOL 3200 Women and Science - Three hours lecture (2)**

*Prerequisite: eight hours of natural science*

This course is an interdisciplinary survey of women in science. Contributions of women scientists to the natural sciences will be studied; using this historical context, students will consider broad social questions such as: Do barriers still exist for women/girls in science? and How do cultural biases impact the objectivity of scientific studies?

**BIOL 3330 Principles of Evolution - Three hours lecture, three hours lab (4)**

*Prerequisite: BIOL 1110 or permission of instructor*

Designed to impart an understanding of the core concepts in modern evolutionary theory, and an appreciation of the central position that theory holds as a theme unifying all subdisciplines of biology.

**BIOL 3730 Medical Microbiology - Three hours lecture, three hours lab (4)**

*Prerequisite: BIOL 2300 or 3050*

Knowledge and interpretation which will enable the student to become proficient in isolating and identifying human pathogens. Bacterial isolation and morphology will be stressed.

**BIOL 3760 Immunology and Serology - Three hours lecture, three hours lab (4)**

*Prerequisite: BIOL 2300 or 3050*

Fundamentals of antigen-antibody reactions, and serologic procedures performed in the clinical laboratory.

**BIOL 4020 Biological Sciences and Geographic Information Systems – Three hours lecture, three hours lab (4)**

*Prerequisites: BIOL 1110 or equivalent and one upper division biology course and/or permission of instructor*

Students in the biological sciences shall learn the functionality of geographic information systems and spatial analysis related to epidemiological and population dynamics. They will learn the integration of computer plotting, site investigative mapping, and analysis of geopositioning satellite information from the application of real-time case studies of research problems in the biological sciences.

**BIOL 4040 Histology - Three hours lecture, three hours lab (4)**

*Prerequisite: BIOL 1110*

Principal mammalian tissues. Primary emphasis is placed on the recognition of tissue types and their relationships within the organs.

**BIOL 4050 Field Botany - Two hours lecture, four hours lab (4)**

*Prerequisite: eight hours of biology*

A study of local vascular plants with emphasis on identification, the use of manuals, preparation of collections, and distinguishing features of the major groups.

**BIOL 4070 Animal Behavior – Three hours lecture, three hours lab (4)**

*Prerequisites: BIOL 1110 or equivalent and one upper division Biology course*

The course will instruct the student in major topics of animal behavior. The instructional material will focus on the three main areas of animal behavior research, categories of animal behavior, evolution of animal behavior, and neuro-analysis of animal behavior.

## 270 Biology (BIOL)

### **BIOL 4080 General Ecology - Three hours lecture, three hours lab (4)**

*Prerequisite: eight hours of biology*

A survey of basic ecological principles and processes and their application of the welfare of humans and their environment. Lecture and laboratory activities focus on understanding ecosystem dynamics. Includes statistical analysis of field-collected data.

### **BIOL 4100 Biostatistics - Three hours lecture, three hours lab (4)**

*Prerequisites: completion of the mathematics core and senior status or permission of instructor*

Statistical methods in biological research. Basic descriptive and inferential statistics, frequency distributions and analyses, analysis of variance, linear regression, correlation, non-parametric analogues to parametric methods, relationships between experimental design and data analysis used in hypothesis testing. Selected multivariate analysis, statistical resampling methods, and data reduction techniques discussed. Computer use emphasized.

### **BIOL 4110 Animal Physiology - Three hours lecture, three hours lab (4)**

*Prerequisites: BIOL 1110, 3060, and one eight-hour chemistry series*

A survey of animal physiology with emphasis on mammalian systems. The molecular and cellular aspects of physiology as they relate to the function of the organisms are considered. All major systems are discussed.

### **BIOL 4120 Plant Physiology - Three hours lecture, three hours lab (4)**

*Prerequisites: eight hours of Biology including BIOL 1110*

Principal physiological processes of plants, including mineral nutrition, photosynthesis, water relation, translocation, respiration, growth hormones, photo-physiology, and biological function of nucleic acids and proteins.

### **BIOL 4130 Genetics - Three hours lecture, three hours lab (4)**

*Prerequisite: BIOL 1110 or 2020*

Consideration of the principles underlying inheritance in plants and animals. Application of these principles to population dynamics. Concepts are taught through problems based on experimental data.

### **BIOL 4160 Human Physiology - Three hours lecture, three hours lab (4)**

*Prerequisites: BIOL 1110 or 2020, CHEM 1110*

The molecular and cellular aspects of human physiology as they relate to the regulation of homeostasis, cellular metabolism, the nervous system, muscle, cardiovascular, respiratory, renal, gastrointestinal, and endocrine systems. BIOL 4160 does not fulfill the physiology requirement for the Biology major or minor.

### **BIOL 4200 General Embryology - Three hours lecture, three hours lab (4)**

*Prerequisite: BIOL 1110 or 2020 or permission of instructor*

The morphology and physiology of vertebrate development.

### **BIOL 4300 Bacteriology - Three hours lecture, three hours lab (4)**

*Prerequisites: eight hours of biology and eight hours of chemistry*

An introduction to each of the 10 groups of bacteria. Major emphasis will be placed on those groups that greatly affect humans through their beneficial or harmful attributes.

**BIOL 4340 Phycology - Three hours lecture, three hours lab (4)**

A study of the structure, evolution, ecology, and physiology of algae. Students will conduct research to learn methodologies needed to use physiological and ecological characteristics of algae as indicators of environmental health.

**BIOL 4350 Field Zoology - Three hours lecture, three hours lab (4)**

*Prerequisite:* BIOL 3060

A survey of the native vertebrate animals, with emphasis on collection, preservation, identification, and taxonomic relationships.

**BIOL 4400 Teaching Science in High School - Three hours lecture (3)**

*Prerequisite:* provisional admission to Teacher Education

Emphasis is placed on providing preservice secondary science teachers with the opportunity to develop and present brief laboratory activities, teach selected concepts to peers, and prepare written activities that promote critical thinking and meet the needs of students with diverse learning preferences. Preparation of a 2-3 week teaching unit and 20 hours of field experience are required.

**BIOL 4440 Cell and Molecular Biology - Three hours lecture, three hours lab (4)**

*Prerequisites:* eight hours of Biology including 1110 or 2020 and one eight-hour Chemistry series or permission of instructor

The fundamental role of macromolecules and cell ultra structure in mediating such cellular activities as permeability, excitability, secretion, cell-cell communications, and energy transduction. The function of the cell at the molecular level is emphasized.

**BIOL 4450 Biotechnology - Three hours lecture, three hours lab (4)**

*Prerequisites:* senior status and permission of instructor

Instruction of students in the isolation and manipulation of nucleic acids for the construction and characterization of recombinant DNA molecules, either for the generation of genetic probes or the development of genetically engineered microorganisms. Emphasis is placed on the uses of these tools in research, biotechnology, and diagnostics.

**BIOL 4500 Research – Six to twelve hours lab (2-4)**

*Prerequisites:* permission of the instructor, minimum 2.5 cumulative GPA, minimum 3.0 average in Biology; 16 hours of 3000-4999 level Biology courses

This course is offered for those who desire to pursue a special study of some biological problems beyond what is possible in regular courses. The student is expected to select and plan a research problem and pursue it to some state of completion. The data are to be written in acceptable scientific form and available for a seminar. Maximum of eight hours.

**BIOL 4540 Plant Ecology - Three hours lecture, three hours lab (4)**

*Prerequisites:* eight hours of Biology (including BIOL 1110) and eight hours of Chemistry or permission of instructor

An overview of the field of plant ecology, including topics in plant population biology, species interactions, plant-environment interactions, and community structure. Investigations will take place in the field and in the laboratory.

## 272 Biology (BIOL)

### **BIOL 4560 Aquatic Macroinvertebrates - Three hours lecture, three hours lab (4)**

*Prerequisite: senior status or permission of instructor*

An investigation of the diversity of aquatic macroinvertebrates through the study of the taxonomy, morphology, development, ecology, and evolution of selected taxa. Emphasis on freshwater forms of southeastern U.S.

### **BIOL 4600 Parasitology - Three hours lecture, three hours lab (4)**

*Prerequisites: eight hours of Biology, including 1110 or 2020 or permission of instructor*

A survey of the parasitic protozoans, helminths, and arthropods affecting man and other animals. Emphasis is placed on morphology, life cycles, host-parasite relationships, methods of reproduction, transmission, and control.

### **BIOL 4620 Ornithology - Three hours lecture, three hours lab (4)**

*Prerequisites: BIOL 1110, 3060, and eight hours of chemistry or permission of instructor*

A study of the evolution, taxonomy, identification, life history, and behavior of birds, with emphasis on local representatives.

### **BIOL 4700 Topics in Biology (1-3)**

*Prerequisites: BIOL 1110 and one year of upper division biology or permission of instructor*

Special courses or workshops in selected topics. Specific topics may be developed by faculty or by students in consultation with a faculty member. This course may be repeated for a cumulative total of 9 credit hours.

### **BIOL 4810 Wildlife Management Internship (15)**

*Prerequisites: junior or senior status and permission of instructor*

One semester of on-the-job experience in various phases of wildlife or fisheries management. Students are assigned as trainees to an APSU-approved agency.

### **BIOL 4820 Environmental Education Internship (15)**

*Prerequisites: junior or senior status and permission of instructor*

One semester of on-the-job experience in planning and implementing environmental education programs. Students are assigned as trainees to an APSU-approved agency.

## **BUSINESS LAW (BLAW)**

### **BLAW 3210 Business Law I (3)**

*Prerequisite: admission to the BBA Program*

A study of the legal right and potential liabilities of business people. Included is an introduction to the nature of the legal system, the basic law contracts, the uniform commercial code (sales, commercial paper, secured, transactions), bankruptcy, and agency.

### **BLAW 3220 Business Law II (3)**

*Prerequisite: admission to the BBA Program*

A study of the legal rights and potential liabilities of business people. Included are the basic legal principles of agency, partnerships, corporations, securities, personal property and bailment, real property, environmental controls, and estates and trusts.

**BLAW 3300 Social, Legal, and Political Environment of Business (3)**

*Prerequisite:* admission to the BBA Program

Presentation of law of an expanding social, legal, and political institution; the development and nature of the legal system; business crimes; the law of torts; constitutional limitations of regulatory powers; legislative, judicial, and administrative control of business activity through tax laws, antitrust laws, laws of employment, labor laws, and consumer and debtor protection laws.

**CHEMISTRY (CHEM)****CHEM 1000 Chemistry for General Education - Three hours lecture, three hours lab (4)**

Study of the essentials of general, organic, and biological chemistry. A one semester course designed for nursing students (ADN only). Will not serve as prerequisite for any other chemistry course.

**\*CHEM 1010 Chemistry: Society and the Environment - Three hours lecture, three hours lab (4)**

The nature of matter and energy, the developments of chemical technology, and the interaction of this technology with humans and their environment. Topics include atomic structure, energy in matter, chemical bonding and molecular structure, solutions, acid-base reactions, and redox reactions. (Suggested for non-science majors.)

**\*CHEM 1020 Chemistry: Society and the Environment - Three hours lecture, three hours lab (4)**

*Prerequisite:* CHEM 1010

Basic organic chemistry, synthetic polymers, biochemistry, air and water pollution, consumer chemistry, and energy sources. (Suggested for non-science majors.)

**CHEM 1110 General Chemistry - Three hours lecture, one hour recitation, three hours lab (5)**

*Corequisite:* MATH 1730

Fundamental laws and theories; elements, compounds, and mixtures; atomic structure; kinetic theory and gas laws; chemical calculations; and chemistry of solutions.

**CHEM 1120 General Chemistry - Three hours lecture, one hour recitation, three hours lab (5)**

*Prerequisite:* CHEM 1110

Acids, bases, and salts; kinetics; electrochemistry; thermodynamics; descriptive chemistry; organic chemistry; nuclear chemistry.

**CHEM 1710 Introduction to Chemistry and Physics - Three hours lecture, three hours lab (4) - (same as PHYS 1710)**

Introductory integrated lab/lecture course in chemistry and physics. Included are hands-on and computer-based activities in the scientific method, astronomy, motion, energy, kinetic theory, waves and sound, atomic structure, electricity and magnetism, elements and periodic properties, chemical bonding, electrochemistry, environmental issues, and linkage to NASA via the Internet. (May not be combined with CHEM 1010 or PHYS 1010 to fulfill Natural Science core requirements.)

## 274 Chemistry (CHEM)

### **CHEM 1840 Chemical Mathematics - Two hours lecture (2)**

*Prerequisites:* CHEM 1020 or 1120

Review of the mathematical problems of general chemistry.

### **CHEM 2940 Introduction to Research - One hour lab (1)**

*Prerequisite:* permission of instructor

Experiment design including methods, laboratory techniques, and information resources in a specialized area. May be repeated one semester.

### **CHEM 3210 Quantitative Analysis - Three hours lecture, three hours lab (4)**

*Prerequisites:* CHEM 1120 or (CHEM 1020 and CHEM 1840), and high-school or higher level physics

Theory and application of gravimetric methods; acid-base, precipitation, and compleximetric volumetric titration; analytical separations, spectrophotometric, and electroanalytical techniques; statistical and computer tools.

### **CHEM 3220 Instrumental Analysis - Three hours lecture, three hours lab (4)**

*Prerequisites:* CHEM 3210 or 3610; PHYS 2020 (also PHYS 2120 recommended)

Theory and application of instrumental techniques; spectroscopy, electrochemistry, and chromatography. Instrumentation electronics, signals, and noise. Scientific computing hardware, software, and programming.

### **CHEM 3440 Inorganic Chemistry - Three hours lecture, three hours lab (4)**

*Prerequisites:* CHEM 1120 or (CHEM 1020 and CHEM 1840) and (CHEM 3500 or 3510)

Atomic structure and periodicity; crystal structure; descriptive chemistry of the elements; acid-base concepts; nonaqueous solvent systems; and environmental and medicinal awareness.

### **CHEM 3500 Brief Organic Chemistry - Three hours lecture, three hours lab (4)**

*Prerequisite:* CHEM 1020 or 1120

A brief survey of organic functional groups, reactions, mechanisms, stereochemistry, and spectroscopy. Suitable for various agriculture and allied health curricula. Not recommended for chemistry majors.

### **CHEM 3510 Organic Chemistry - Three hours lecture, three hours lab (4)**

*Prerequisite:* CHEM 1120 or (CHEM 1020 and CHEM 1840)

Functional groups (alkanes, alkenes, alkynes, alkyl halides, aromatic compounds), structure determination, stereochemistry, and spectroscopy.

### **CHEM 3520 Organic Chemistry - Three hours lecture, three hours lab (4)**

*Prerequisite:* CHEM 3510

Alcohols, phenols, ethers, aldehydes, ketones, carboxylic acids and derivatives, dicarbonyl compounds, amines, lipids, carbohydrates, amino acids, proteins, nucleic acids, and polymers.

### **CHEM 3610 Physical Chemistry - Three hours lecture, three hours lab (4)**

*Prerequisites:* CHEM 1120 or (CHEM 1020 and CHEM 1840) and MATH 1810 or MATH 1910

Kinetic theory and gases; first, second, and third laws of thermodynamics; spontaneity and equilibrium; colligative properties of solutions; phase diagrams and kinetics.

**CHEM 3620 Physical Chemistry - Three hours lecture, three hours lab (4)**

*Prerequisites:* CHEM 3610, MATH 1920

Advanced thermodynamics, electrochemistry, advanced kinetics, atomic structure and the Schrodinger equation, molecular orbital theory, and the theory of molecular spectroscopy.

**CHEM 3700 Forensic Science - Three hours lecture (3)**

*Prerequisites:* CHEM 1120, 3500 or 3510, BIOL 1110, *completed* MATH core

Survey of scientific methods used in collection, preservation, and analysis of physical evidence. Included will be a study of common types of physical evidence obtained from crime scenes, their treatment at the modern crime laboratory, and the interpretation of scientific data to the legal community.

**CHEM 3840 Chemical Literature - Three hours lecture/lab (3)**

*Prerequisite:* CHEM 1020 or 1120

Major sources of chemical information and procedures for their efficient use.

**CHEM 4000 Seminar - Two hours lecture/recitation (1)**

*Prerequisite:* *permission of instructor*

Review of major areas of chemistry, visiting chemists' presentations, research, student presentations, career counseling, and interviewing for employment.

**CHEM 4240 Advanced Instrumental Methods - Three hours lecture, three hours lab (4)**

*Prerequisites:* CHEM 3220, 3610 and PHYS 2020 or 2120

Theory and practice of analytical instrument design. Circuits, test equipment, semiconductors, digital electronics, data acquisition, and computer programming. Design application examples in electrochemistry, spectroscopy, or chromatography.

**CHEM 4300 Brief Biochemistry - Three hours lecture, three hours lab (4)**

*Prerequisite:* CHEM 3500 or 3510

Designed for students in the allied health fields. Cellular processes including catalysis, metabolism, bioenergetics, and biochemical genetics.

**CHEM 4310 Biochemistry - Three hours lecture, three hours lab (4)**

*Prerequisites:* CHEM 3520, BIOL 1010 or 1110

The structure/function relationship of biomolecules, enzyme catalysis, bioenergetics, and regulatory mechanisms.

**CHEM 4320 Biochemistry - Three hours lecture, three hours lab (4)**

*Prerequisite:* CHEM 4310

Continuation of 4310; examination of intermediary metabolism focusing on the processes of chemical transformation and regulation.

**CHEM 4340 Advanced Biochemistry - One hour lecture, nine hours lab (4)**

*Prerequisite:* CHEM 4320

Biochemical literature, special topics in biochemistry, and the principle and techniques of experimental biochemistry.

## 276 Chemistry (CHEM)

### **CHEM 4350 Physical Biochemistry - Three hours lecture, three hours lab (4)**

*Prerequisites:* CHEM 3610, 4320

Classical physical chemistry topics, focusing on applications relevant to the life sciences.

### **CHEM 4400 Teaching Science in High School - Three hours lecture (3)**

*Prerequisite:* permission of department chair

For students preparing to teach chemistry. Objectives of high school chemistry; selection of content; methods of solving problems; laboratory procedure and equipment, teaching aids, and evaluation. Ten hours of field experience is required.

### **CHEM 4440 Advanced Inorganic Chemistry - Three hours lecture, three hours lab (4)**

*Prerequisites:* CHEM 3440, 3610 (also CHEM 3220 strongly recommended)

Bonding and structure; coordination chemistry including stereo chemistry, magnetism, spectra, synthesis, and reaction mechanisms; metallic bonding; and bioinorganic applications.

### **CHEM 4540 Organic Spectroscopy - Six hours lecture/lab (4)**

*Prerequisites:* CHEM 3220, 3520, 3610

Theory, use, and interpretation of spectroscopic data from FT-IR, GC-MS, 1-D and 2-D multi nuclear FT-NMR, and UV-VIS.

### **CHEM 4550 Advanced Organic Chemistry - Three hours lecture, three hours lab (4)**

*Prerequisites:* CHEM 3520, 3610

Advanced studies of bonding, stereo chemistry, acids and bases, mechanisms, and effects of structure on reactivity as related to organic reactions. Includes an in-depth study of organic reactions.

### **CHEM 4750 Forensic Laboratory Methods - Three hours lecture/lab (3)**

*Prerequisites:* CHEM 3210, 3700, 4300 or 4310, and junior or senior status

Introduction to analysis methods used in forensic science. Theory and practical application for preparation and analysis of forensic samples.

### **CHEM 4790 Forensic Chemistry Internship (1-3)**

*Prerequisites:* CHEM 3210, 3220, 3700, (4300 or 4310), and (BIOL 3940 or 4450), and junior or senior status

Internship experience providing practical exposure and experience in forensic analysis. Student will be assigned to a departmentally approved laboratory for a predetermined time period, which will determine the amount of credit earned. The host laboratory may require background checks and drug screening of student interns.

### **CHEM 4840 Selected Topics in Chemistry - Three hours lecture/lab (3)**

*Prerequisites:* CHEM 1120 or 1840 and permission of instructor

Advanced topics in chemistry for majors and minors.

**CHEM 4940 Elements of Research (1, 2, or 3 each)**

*Prerequisite:* permission of instructor (also CHEM 2940 recommended)

Independent original laboratory research on individual projects in chemistry; chemical literature review; and presentation of results. May be repeated until project is completed; however, approval of department chair is required for more than eight hours.

**CHEM 4990 Research Thesis (1)**

*Prerequisites:* CHEM 4940 and permission of instructor

Preparation of a report on original research. Report must follow the guidelines of the ACS Style Guide and the Chemistry Department, and will be evaluated by a committee which will include the department chair or his/her designee.

\*Suggested for non-science majors or science majors desiring a broad approach to general chemistry. Students electing this sequence may not take advanced chemistry courses (except CHEM 3500 or 3840) without taking CHEM 1840.

**CLASSICS (CLAS)****CLAS 3210 Greek Literature in Translation (3)**

*Prerequisite:* ENGL 2030

A study of the major writers of ancient Greece in English translation. Topics may include various genres, judging translations, and the post-classical life of ancient Greek literature.

**CLAS 3220 Latin Literature in Translation (3)**

*Prerequisite:* ENGL 2030

A study of major writers of ancient Rome in English translation. Topics may include various genres, judging translations, and the post-classical life of ancient Latin literature.

**CLAS 3240 The Classical Tradition in English Poetry (3)**

*Prerequisite:* ENGL 2030

A study of the various poetic styles and traditions of Classical Greece and Rome and how they influenced the course of English poetry. Topics include ancient theories of poetry, examples of ancient poems, and specific English poets and poems from Chaucer to the 20th century.

**CLAS 3310 Greek Mythology (3)**

*Prerequisite:* ENGL 2030

A study of the major myths of ancient Greece and Rome. Topics include the interpretation of myth, differences among myths, legends, and folktales, and the use of myth after the Classical period.

**CLAS 3400 Greek Archaeology (3)**

An introduction to the archaeology of ancient Greece, with attention to sites from the Neolithic period through the Hellenistic period. Topics covered include developments in art and architecture, as well as the history of archaeological thought. Includes visits to sites when taught in Greece.

## 278 Classics (CLAS)

### **CLAS 3410 Greek Religion (3)**

*Prerequisite:* ENGL 2030

Introduction to religious beliefs and practices of ancient Greeks, concentrating on Athens in the 5th and 4th centuries B.C., but exploring cult practices in other periods and areas under Greek influence. Major deities, rituals, festivals, cults, sanctuaries, and their context within civic life. Knowledge of Greek language not required.

### **CLAS 3420 Roman Archaeology (3)**

Major archaeological sites of Italy from earliest times to the empire, with a focus on the monuments and topography of Rome. The development of archaeology in Italy and the history of archaeological thought are also studied. Includes visits to sites when taught in Italy.

### **CLAS 3430 Roman Religion (3)**

*Prerequisite:* ENGL 2030

Introduction to religious beliefs and practices of the ancient Romans from the late Republic through the first centuries of the Empire. Major deities, rituals, festivals, cults, and sanctuaries of the Roman people; emperor cult; the emergence of Eastern cult. Knowledge of Latin not required.

### **CLAS 3510 Sport in the Ancient World (3)**

*Prerequisite:* ENGL 2030

A history of the development of athletics in ancient Greece and Rome. Topics may include major athletic festivals, sites connected with athletics, the events, the literature of sport, and the politics of sport.

### **CLAS 3520 Women in Antiquity (3)**

*Prerequisite:* ENGL 2030

A study of women in the ancient Greek and Roman world through literary, art historical, and archaeological material.

### **CLAS 3610 Greek Civilization (3)**

*Prerequisite:* ENGL 2030

A study of the daily life and social systems of ancient Greece with a focus on Athens in the 5th century B.C., but with attention also given to rural areas and other city-states. Topics include government, sport, family life, slavery, science, mathematics, law, cult, etc. All readings in English.

### **CLAS 3620 Roman Civilization (3) (cross listed with ENGL 3040)**

*Prerequisite:* ENGL 2030

A study of the daily life and social systems of Ancient Rome and the Roman Empire. Topics may include government, sport, family life, slavery, science, law, travel, religion, etc. All readings in English.

### **CLAS 4900 Topics in Classical Studies (3)**

*Prerequisite:* ENGL 2030

Various topics in Classics may be studied, including such ideas as the clash of culture between Romans and Christians or Greeks and Barbarians, or such specific areas of Classics as paleography, epigraphy, etc.

**COMMUNICATION ARTS (COMM)****COMM 1010 Fundamentals of Public Speaking (3) -  
(online and on campus)**

Public speaking principles with emphasis on preparation and presentation of informative and persuasive speeches.

**COMM 1030 Interpersonal Communication (3)**

Communications' role in interpersonal relationships with emphasis on the application of theory in dyadic situations.

**COMM 1200 Introduction to Mass Communication (3) -  
(online and on campus)**

Designed to introduce the student to the mass media. Course explores media as institutions in American society.

**COMM 1400 Introduction to Public Relations (3) -  
(online and on campus)**

History, function, and practice of public relations with emphasis on persuasion, public opinion, mass Media, and their application to public relations.

**COMM 1500 Introduction to Sports Broadcasting (3)**

The course provides a strong foundation into the field of sports broadcasting. Students will explore the key issues that drive the sports broadcasting industry. Students will participate in the production of sports broadcasting.

**COMM 1600 Introduction to Popular Culture (3)**

Introduction to the basic theories and approaches to the study of popular culture, including the various media, literature, music, folklore, culture, society, and everyday life.

**COMM 2000 News Reporting (3) - (online and on campus)**

News gathering methods and the newspaper style book with emphasis on exercises in writing all types of news stories.

**COMM 2020 Media, Society, and the Individual (3)**

The historical development and current status of mass media are explored from a consumer's point of view with the goal of media literacy. Students develop global perspectives by encountering issues dealing with the relationship of the mass media to education, society, politics, economics, religion, family, and the individual.

**COMM 2030 Social Issues and Advocacy (3)**

Theory and practice of argumentation, examinations of propositions, evidence, reasoning, and refutation.

**COMM 2100 Broadcast Equipment Operation and Technology (3)**

An in-depth examination of current broadcast technology in radio, television, and cable and its use and function. Significant student time is required outside of regular class sessions. Must be taken concurrently with COMM 2150.

## 280 Communication Arts (COMM)

### **COMM 2150 Broadcast Regulation and Practice Lab (1) (online)**

An examination of broadcast regulation as it applies to the operation and practices of over-the-air media. This course is required for all communication majors or minors interested in working at station WAPX-FM. Must be taken concurrently with COMM 2100.

### **COMM 2200 Introduction to Sports Interviewing (3)**

The course explores the sports interview. Students will examine theoretical and practical issues related to interviewing coaches, players, administrators, and others related to the sports industry.

### **COMM 2310 Small Group Communication (3)**

The nature of communication processes occurring in a small group setting. Focus will be given to decision making in groups; gathering, assessing, and using information; leadership and power; and resolving conflict.

### **COMM 2400 Writing for the Electronic Media (3)**

*Prerequisites:* COMM 1200, ENGL 1020

This course will cover formats and techniques of writing for the broadcast media. The course will discuss writing copy for the electronic media including general continuity, commercials, and information related copy such as public service announcements and editorials.

### **COMM 2500 Audio in Media (3)**

An examination of audio technology and equipment used in a variety of media, to include radio, television, video, film, and music recordings. Special consideration to be given to legal and ethical constraints and considerations.

### **COMM 2720 Introduction to the Internet (3) - (online)**

This course provides students with an orientation to the Internet as an everyday communication tool, medium impacting society, and high technology communication industry.

### **COMM 2920 Digital Photography (3)**

*Prerequisite:* COMM 1200

Provides students with skills in the use and operation of digital cameras, and the processing of photographs using Adobe Photoshop for print and web journalism.

### **COMM 300A, B, C Lab (1 each)**

*Prerequisite:* COMM 2000

Practical experience in routine reporting, investigative reporting, or newspaper design. Grading on a pass/fail basis.

### **COMM 3010 Integrated Corporate Communication (3) - (online and on campus)**

*Prerequisites:* COMM 1200, *junior status or instructor approval*

Students will examine important corporate communication areas such as internal communication, advertising, public relations, integrated marketing communication, and new communication technologies. The course focuses on how these areas work together to achieve organizational objectives.

### **COMM 309A International Communication: Broadcast Media (3)**

*Prerequisites: junior standing and instructor approval*

This course offers international perspectives to students in broadcast media. This study abroad experience is linked to selected upper division communication courses.

### **COMM 309B International Communication: Corporate Communication (3)**

*Prerequisites: junior standing and instructor approval*

This course offers international perspectives to students in corporate communication. This study abroad experience is linked to selected upper division communication courses.

### **COMM 309C International Communication: Print and Web Journalism (3)**

*Prerequisites: junior standing and instructor approval*

This course offers international perspectives to students in print and web journalism. This study abroad experience is linked to selected upper division communication courses.

### **COMM 309D International Communication: Media Technologies (3)**

*Prerequisites: junior standing and instructor approval*

This course offers international perspectives to students in media technologies. This study abroad experience is linked to selected upper division communication courses.

### **COMM 309E International Communication: Public Relations (3)**

*Prerequisite: junior standing and instructor approval*

This course offers international perspectives to students in public relations. This study abroad experience is linked to selected upper division communication courses.

### **COMM 3100 Desktop Publishing (3)**

*Prerequisite: COMM 2000 or 2400*

Students develop the basic skills needed in electronic desktop publishing, including instruction in popular desktop publishing programs, providing hands-on experience. Course requires students to complete several practical projects including a newsletter and a brochure.

### **COMM 3200 Copyediting (3)**

*Prerequisite: COMM 2000*

Instruction and practice in editing newspaper stories for style, meaning, and accuracy; in writing headlines; and in designing newspaper pages.

### **COMM 3210 Sports and Media (3)**

Beginning with an examination of the historical role of media and sports, students will explore theoretical and practical changes that have shaped the sports media industry.

### **COMM 3320 Business and Professional Communication (3)**

*Prerequisites: COMM 1010 or 2030 or permission of instructor*

Theories of persuasion are applied to business presentations. Interview techniques, group dynamics, and use of communication technology in the professional business setting.

### **COMM 3350 Broadcast Announcing (3)**

*Prerequisite: COMM 1200 or permission of instructor*

A detailed and practical examination of broadcast techniques. Topics include voice use and improvement; coping with mic and camera fright; and various styles of announcing. Students will be required to demonstrate an improvement in announcing technique and ability.

## 282 Communication Arts (COMM)

### **COMM 3400 Mass Communication Research Methods (3)**

*Prerequisite:* COMM 1200

Application of qualitative and quantitative media research methods including survey research, focus groups, content analysis, and experimental studies. The course prepares students to conduct research for media studies, public relations, and marketing communication programs.

### **COMM 3410 Data Analysis and Mass Communications Research (3)**

The purposes of this course is to apply some commonly used data analysis techniques in the field of Communication; develop a deeper appreciation of research strategies and analysis decisions; and provide the opportunity for practice in analyzing quantitative data.

### **COMM 3450 Broadcast News Writing (3)**

*Prerequisites:* COMM 1200, 2000 or permission of instructor (keyboarding skill required)

Concepts of writing for broadcast media including format, style, and deadline requirements, and the use of radio and visual elements in the news. This course is writing intensive and requires student activities outside the classroom.

### **COMM 3550 Audio Production I (3)**

*Prerequisite:* COMM 2100

Practical application required of students in the study of audio production for radio and television. Studio exercises which demonstrate the students audio production skills with voice, music, and sound effects in a broadcast studio setting.

### **COMM 3600 Radio Theatre Workshop (3)**

*Prerequisites:* COMM 3550 or THEA 1300, permission of instructor

A workshop on theatrical productions delivered to a mass audience through radio. Special consideration will be given to the incorporation of sound effects. Study will include script writing, characterization, and time restraints in electronic media. Course will climax with an original production by students.

### **COMM 3620 Weather Broadcasting (3)**

*Prerequisite:* COMM 2100, 2150

The course will provide the foundation for weather broadcasting. Students will learn the theory and skills necessary to produce quality weather briefings, weather segments, and weather news for television. Students will produce weather broadcasts in the field and in the studio.

### **COMM 3710 Corporate Media Scriptwriting (3)**

Practical experience in creating scripts specifically tailored to corporate media/multimedia presentations.

### **COMM 3720 Authoring Web Pages (3)**

*Prerequisite:* COMM 2720, permission of instructor

Skills needed in developing web pages, HTML and popular web design programs, elements of design, online publications, history of the Internet, censorship, ethics, and advertising on the web.

### **COMM 3730 Internet and Web Technology (3)**

Students explore the technology of the Internet through study and practice involving networks, domain name service, IP addressing, online protocols, equipment, cabling, connections, servers, and various operating systems.

### **COMM 3740 e-Commerce Technology (3)**

*Prerequisite:* COMM 3720 or 3800

Students explore and evaluate today's elements of electronic commerce including a focus on shopping cart programs, digital certificates, configuration and operation of secure servers, online financial transaction technology, and the development and implementation of e-business plans from an advertising, marketing communications, and public relations perspective.

### **COMM 3760 Video Production I (3)**

*Prerequisite:* COMM 2100

Each student enrolled will be responsible for the development and production of several short video projects. Skills will be developed in all areas of television production and related concepts.

### **COMM 3800 Principles of Media Advertising (3)**

Students learn the principles of advertising and the role of advertising communication in society and in organizations; The course reviews advertising and persuasive ethics and the impact of advertising on media; and offers a survey of various advertising types including print, broadcast, direct response, and new technology-based advertising efforts.

### **COMM 3810 Live Studio Production (3)**

Students learn the principles of a live television production. Television and broadcasting elements will be incorporated that are necessary in creating and producing a live production.

### **COMM 3900 Motion Picture Production Workshop (4)**

*Prerequisites:* COMM 2100, 3760 and permission of the instructor

Using portable and versatile video camcorders, students develop and complete short motion pictures. Includes camera operation, roles in motion picture production, sound and editing, and shooting video as film. Working in crews, students concentrate on one or more disciplines in production: writer, director, camera, sound, and editor.

### **COMM 3910 Media Relations (3)**

The professional communicator's establishment of meaningful relationships with electronic and print media is studied, including a focus on ratings, news releases, press conferences, media buying, building a network of media contacts, special event planning, and the preparation of a comprehensive media relations plan.

### **COMM 3950 Methods of Film Analysis (3)**

*Prerequisite:* junior standing or permission of instructor

This course begins with an examination of the elements of film form. The course will provide students with the terminology to analyze films and fortify students' analytical skills. Representative films are exhibited. Emphasis is placed on dramatic structure, types of film, film theory, and the function of film.

## 284 Communication Arts (COMM)

### **COMM 400 A-H AP Magazine Production (2)**

Students will create weekly live studio productions (12-14 shows per semester). Only one course per term. This course cannot be substituted for required courses or electives in the concentration. Grading on a pass/fail basis.

### **COMM 4010 Communication Theory (3) - (online and on campus)**

*Prerequisites:* COMM 1010, 1200, and junior standing

In this capstone course, communication theories are examined and applied to relevant social issues (gender, diversity, violence, social change, and entertainment). Students analyze and critique research findings, theoretical paradigms, and media effects.

### **COMM 4020 Communication in Organizations (3) - (online and on campus)**

*NOTE:* Students can take either COMM 4410 or 4020 (not both)

Study of communication in complex human organizations. Course relates communication to values, leadership, and uses of power in such organizational contexts as business, professional, social, educational, and political groups.

### **COMM 4110 Sports Broadcasting Workshop (4)**

*Prerequisite:* approval of instructor

The course provides hands-on experience in the production, direction, and editing of live sporting events (basketball, football, baseball, softball, volleyball, etc.). Students will learn camera operation, digital switching, instant video replay, floor direction, and digital editing. A minimum of 60 hours outside the scheduled class period producing events are required.

### **COMM 4120 Sports Marketing (3)**

The course will be an in-depth examination of the role of marketing in the sports arena. Students will examine the issues of product placement, camera view, uniforms, superimposed images, sports commentaries, personalities, etc.

### **COMM 4150 Feature Writing (3) - (online and on campus)**

Instruction and practice in writing feature articles for newspapers, trade journals, and magazines.

### **COMM 422 A-H Live Events Production (2)**

Students will gain experience in directing, editing, and producing of APSU and other activities. A minimum of 60 clock hours shall be required for academic credit. Only one course per term. This course cannot be substituted for required courses or electives in the concentration. Grading on a pass/fail basis.

### **COMM 425A, B, C Broadcasting Practicum (1 each)**

*Prerequisite:* permission of instructor prior to registration

Special production projects in the radio or video studio to complement academic study in radio and television. Grading on a pass/fail basis.

### **COMM 426 A-H Communication Practicum (1)**

*Prerequisite:* permission of instructor

Special audio or video production projects or professional communicator experiences, in a campus setting, which complement study in radio, television/cable, public relations, and corporate communication. Grading on a pass/fail basis.

### **COMM 4300 Topics in Popular Culture (3)**

Indepth study of popular culture and American Society in everyday life through selected themes, topics, era and issues.

### **COMM 4310 Documentary Production (4)**

*Prerequisites:* COMM 3760, 2100 and junior standing or permission of the instructor

Through viewings, lectures, class discussions, and hands-on activities, class members learn to research, write, interview, direct, shoot, and edit a documentary. The class works in small production teams, using camcorders and editing equipment, to produce mini-documentaries designed by each team.

### **COMM 433 A-H Digital Editing Production (2)**

Students will create, direct, edit, produce, and evaluate digital media. A minimum of 60 clock hours will be required for academic credit. Only one course per term. This course cannot be substituted for required courses or electives in the concentration. Grading on a pass/fail basis.

### **COMM 4350 Broadcast Management (3) - (online and on campus)**

*Prerequisite:* COMM 1200

Fundamentals of all aspects of programming: news, sports, drama, entertainment, and education; writing of scripts; and directing and editing of programs for the electronic media.

### **COMM 4400 Politics and Mass Media (3) (Same as POLS 4400)**

Media's role in U.S. politics; influence of mass media on political opinions, elections, political participants, and public policy; and how political participants help shape the messages sent out by mass media.

### **COMM 4410 Conflict Resolution and Negotiation (3) - (online)**

*NOTE: Students can take COMM 4020 or 4410 (not both)*

This course is designed to provide students with various approaches to conflict resolution and negotiation. The readings will focus on the role of conflict within an organizational setting. Case studies will be used to provide participants with actual conflict situations.

### **COMM 4444 Cultural Context of Communication (3)**

This course integrates aspects of the Liberal Arts core with the effects of communication on culture and society; explores the role communication plays in creating social reality; and focuses on the media in relation to gender roles, portrayals of women and minorities, impacts of global media, violence, politics, law, the arts, religion, science, health, education, consumer behavior, and the family.

### **COMM 4450 Mass Media and Women (3)**

Historical overview of women reporters and managers in U.S. media; examination of current portrayals of women and men in media news, entertainment and advertising; and discussion of research into the influence of these portrayals on audience attitudes.

### **COMM 4470 Race, Gender, and Mass Media (3)**

*Prerequisite:* junior standing

Examination of current and historical portrayals of ethnic minorities and men and women in media news, entertainment, and advertising; and discussion of research into the influence of these portrayals on audience attitudes.

## 286 Communication Arts (COMM)

### **COMM 4510 Communication and Public Opinion (3) (same as POLS 4510) – (online and on campus)**

The purpose of this course is to provide an overview of the concept of “public opinion” and to explore the relationships between communication and public opinion. An important normative goal will be to explore ways to allow media messages to contribute to a healthy civic life rather than deviate from it.

### **COMM 4550 Audio Production II (3)**

*Prerequisites:* COMM 3500 and permission of instructor

An intensive senior level course which requires students to demonstrate development in extensive and in-depth advanced level audio production requirements and projects.

### **COMM 4600 Media Ethics (3) - (online and on campus)**

An in-depth examination of ethical principles and conduct as they apply to mass media. Topics covered include codes of ethics, forces which affect ethical decision making in media, consequences of ethical decisions, and media responsibility.

### **COMM 4650 Mass Media Law (3) - (online and on campus)**

*Prerequisite:* upper division standing or permission of instructor

An intensive senior level course focusing on the development of our legal system, and the application of legal standards to media operations. Specific topics include the First Amendment, Libel, Privacy, Copyright, Political Programming, and Advertising.

### **COMM 470A, B, C Magazine Production (1 each)**

*Prerequisite:* permission of faculty advisor for CAPSULE

Involvement with student publication processes, including all aspects of magazine production (online processes, layout, editing, desktop publishing, darkroom techniques, photography, and printing). Grading on a pass/fail basis.

### **COMM 4720 Multimedia Design (3)**

*Prerequisites:* COMM 3720 and junior standing

Students create and edit audio files, video and images using Macromedia Flash and Fireworks, and both audio and videos are streamed into HTML files. Web pages are produced and published using HTML, dynamic HTML and JAVA scripts. The function of SSI, CGI scripts, and Plug-ins for web servers is also examined.

### **COMM 4730 Internet Content Management (3) - (online)**

*Prerequisites:* COMM 1400

This survey and skills course teaches analysis and techniques in creating and managing web/electronic content. Areas covered include web-based public relations, advertising, marketing communication, and e-commerce. In addition, the social impact of these technologies is explored.

### **COMM 4760 Video Production II (3)**

*Prerequisite:* COMM 3760

An intensive senior level video production course which requires advanced level video production skills, and uses both studio and field production techniques in the production of longer types of video production.

### **COMM 4790 Non-Linear Editing (3)**

*Prerequisite:* COMM 3760

Advanced video-editing course for students who have completed basic production courses. The course includes in-depth examination of the technical, theoretical, and aesthetic factors involved in post-production.

### **COMM 480A, B, C Independent Study in Mass Communications (3 each)**

*Prerequisite:* Communication Arts majors only with permission of instructor

Supervised readings and research projects in selected areas of communication. Open only to Communication Arts students with permission of the instructor.

### **COMM 4810 Public Relations Strategies (3)**

*Prerequisite:* COMM 3910 or consent of the PR or Corporate Communication Coordinator

The management and counseling functions of public relations are explored through the use of communication strategies and tactics. A communication evaluation of organizational needs is done by case study analysis resulting in the development of a comprehensive communication plan for a model organization.

### **COMM 490A, B, C Communication Internship (3 each)**

*Prerequisites:* Communication Arts majors only; upper division standing and permission of instructor required prior to registration

Practical experience in a professional communication medium to augment classroom activity intended for advanced students. Students are required to document internship activities according to department policy.

### **COMM 4910 Public Relations Campaign (3) - (online and on campus)**

The establishment of public relations campaigns and an examination of each of its components within the public relations process of research, objectives, programming, and evaluation. Students actually design and implement comprehensive public relations campaigns and review campaign case studies.

### **COMM 4960 Film Scriptwriting (3)**

*Prerequisites:* ENGL 1020, 1200, junior standing

This course will lead the student through a step-by-step process in advanced techniques of script analysis, creating story boards and writing successful treatments. The student will also receive extensive practice by writing scenes for various film categories: documentary, short feature, animated subjects, and full-length feature.

### **COMM 4970 Television Scriptwriting (3)**

*Prerequisites:* ENGL 1020, COMM 1200, junior status

This course will lead the student through the current techniques or "formulas" of television writing. The students will receive extensive practice by writing scripts for both dramatic and comedic storylines in the 30 minute, 60 minute, and 2 hour formats.

### **COMM 4980 Television Criticism (3)**

*Prerequisite:* junior or senior standing

The course will be a critical study of the literature of television. The course provides a view of television as a social and cultural institution and its impact on American society.

## 288 Communication Arts (COMM)

### **COMM 499ABC Special Topics in Communication (3)**

Selected topics of interest to students concentrating their studies in Broadcast Media or Sports Broadcasting.

## **COMPUTER SCIENCE (CSCI)**

### **CSCI 1000 Introduction to Computer Science (3)**

History of computers and computing; social and ethical issues in computing; networks, communications, and the internet; computer hardware; system software; application software involving web browsers, word processing, spreadsheets, database management systems, and presentation software.

### **CSCI 1005 Computer Hardware, Software, and Programming Concepts (3)**

This course covers functions and architecture of computer hardware and operating systems software; coverage of hardware and operating systems functions, installation, and configuration; extensive hands-on experience in computer setup, software installation, operation, and maintenance. An introduction to some programming and programming concepts are included. Three hours per week.

### **CSCI 1010 Introduction to Programming I (3)**

History of computing, computer organization, computer applications, algorithm design, stepwise refinement of algorithms, structured programming using C++, array representation of data, processing of character data, text file processing, subprograms, and parameter passing.

### **CSCI 1015 Introduction to Computer Programming (3)**

This is an introduction to application program design and coding using the Java language; the processes and methods for writing well-structured, well-documented, and well-performing computer programs to implement common information processing tasks; overview of computer problem-solving strategies, software design and documentation methods, and program coding techniques; data types, data structures, and program control structures.

### **CSCI 1016 Introduction to Visual Basic Programming (3)**

An introduction to the basic concepts of application programming using the Visual Basic.Net language. Topics covered include problem solving, programming logic, object oriented programming, data types, windows forms and controls, data structures, exception handling, and program control structures.

### **CSCI 2010 Introduction to Programming II (3)**

*Prerequisite:* CSCI 1010

Continuation of 1010. Additional topics in C++ programming including records, files, and dynamic memory allocation. Data structures including arrays, character strings, stacks, queues, linked lists, and binary trees. Each structure is presented in its abstract form and its C++ implementation.

**CSCI 2060 ANS COBOL Programming (3)**

*Prerequisite:* CSCI 1010

The COBOL programming language and its application to the solution of problems in the business field. Topics include structured programming, COBOL program structure, elementary COBOL language structure, control breaks, table processing, report generation, menu processing, sorting and merging of files, indexed, sequential, and relative files.

**CSCI 2070 Programming in Selected Languages I (3)**

*Prerequisite:* CSCI 1010

Detailed study of one or more modern programming languages. Emphasis placed on competent programming in the selected language(s), understanding the main application areas for the language(s), and history and basis for creation of the language(s).

**CSCI 2080 Programming in Selected Languages II (3)**

*Prerequisite:* CSCI 1010

Detailed study of one or more modern programming languages. Emphasis placed on competent programming in the selected language(s), understanding the main application areas for the language(s), and history and basis for creation of the language(s).

**CSCI 3000 Data Modeling (3)**

*Prerequisite:* CSCI 1015 or 1016

This course emphasizes the role of the database administrator in converting a conceptual model into a relational data model. The student will use business rules for developing entity-relationship diagrams for relational data models. Student will transform data models into relations and tables within a database using functional dependencies and normalization techniques. The course introduces VB and SQL scripting. The student will develop a database from a case study. Three hours per week.

**CSCI 3005 Object-Oriented Programming (3)**

*Prerequisite:* CSCI 2010

An introduction to object-oriented programming using the C++ and Java languages. Topics include C++ classes, encapsulation, inheritance, polymorphism, templates, container classes, object-oriented design, and the use of class libraries.

**CSCI 3020 File Processing (3)**

*Prerequisites:* CSCI 2010, 2060

An introduction to methods of efficiently organizing and accessing data on peripheral devices. Study of the structures used to store and manipulate data on external devices and the techniques used to manipulate this data.

**CSCI 3110 Computer Systems (3)**

*Prerequisite:* CSCI 2010

Topics include elementary assembler language programming, addressing techniques, indexing, calling of assembly language routines from high-level languages, object libraries, macros, macro libraries, bitmanipulation instructions, file input/output procedures, program segmentation, and linkage.

## 290 Computer Science (CSCI)

### **CSCI 3200 Principles of Information Security (3)**

*Prerequisite:* CSCI 1005 or 1010

An introduction to the technical and management aspects of information security. This course provides the foundation for understanding issues associated with security in computing, including security threats and controls, protection of computer systems and data, and planning for security through the development of an information security strategy.

### **CSCI 3250 Data Structures and Algorithm Analysis (3)**

*Prerequisite:* CSCI 2010

Advanced data structures and their computer implementation. Binary trees, general trees, graphs, sorting algorithms, merging algorithms, hash codes, hash tables, and file and memory allocation procedures.

### **CSCI 3300 Introduction to Web Development (3)**

*Prerequisite:* CSCI 1015 or 1016

This is a survey of techniques and tools for developing basic web pages for delivery of text and graphic information. Focus will be on page markup languages, page design principles, page layout techniques, markup language syntax, and page styling methods. Three hours per week.

### **CSCI 3400 Computer Organization I (3)**

*Prerequisite:* CSCI 2010

Basic digital circuits, Boolean algebra and combinatorial logic, data representation and transfer, digital arithmetic, digital storage and accessing, control functions, input/output facilities, system organization and reliability, computer structure, and programming at the machine language and assembler language levels.

### **CSCI 3410 Computer Organization II (3)**

*Prerequisite:* CSCI 3400

Continuation of 3400. Continued study of micro-processors, advanced logic design, sequential circuits, digital and switching waveforms, encoding of information, number representation and arithmetic, logical operations, computer architecture for very large and very small computer systems, memory systems, and CPU design.

### **CSCI 3500 Theory of Automata, Formal Languages, and Computation (3)**

*Prerequisite:* MATH 3000 or CSCI 3400

Fundamental concepts in Computer Science, including finite-state machines and regular expressions, context-free grammars and languages, push down automata, Turing machines, undecidability, and computational complexity.

### **CSCI 3600 Computer Ethics (3)**

*Prerequisites:* CSCI 1005 or 1010

Study and analysis of the social, legal, and ethical issues that arise from the presence of computers in society. Problems are posed and solutions discussed from the viewpoint of the computer professional. Topics include computer viruses, spyware, spam, life-critical systems, and privacy issues.

### **CSCI 3700 Data Communications and Networking (3)**

*Prerequisite:* CSCI 1005 or 1010

Fundamental concepts, definitions, and theory of telecommunications and networking with practical applications. Special emphasis is on Internet Technology, including the study of TCP/IP protocols. Other topics include LAN and WAN management, security, and quality of service issues.

### **CSCI 3760 Linux Network Operating System Administration (3)**

*Prerequisite:* CSCI 3700

This course covers the fundamental Linux system administration and Linux network administration principles. Topics covered include: directory tree, file and memory management, system monitoring, user accounts, TCP/IP configuration, name service and address translation, firewall, IP accounting, email service, and web services.

### **CSCI 3770 Microsoft Windows Network Operating System Administration (3)**

*Prerequisite:* CSCI 3700

This course covers the fundamental Windows system administration and Windows network administration principles. Topics covered include directory structures, file management, user management, domains, group policy, and networking services provided as part of Windows, including IIS, RRAS, DNS, WINS, and DHCP.

### **CSCI 3870 Wireless Communications and Networking (3)**

*Prerequisite:* CSCI 3700

This course covers data communications as well as voice communications in wireless networks. Topics covered include wireless standards in data and voice communications, radio frequency technologies, wireless LAN hardware and software, wireless network design, installation, and management including security and site surveys.

### **CSCI 3900 Internship (3)**

*Prerequisite:* permission of department chair

Designed to provide academic credit for meaningful computer-related experience gained while working in a business or industry. Satisfactory employer evaluation and detailed written documentation of the work performed is required. Pass/fail registration required.

### **CSCI 4000 Advanced Web Development (3)**

*Prerequisite:* CSCI 3300

This course covers advanced coverage of browser-based Web processing; coverage of the browser document object model, dynamic formatting and styling, browser scripting languages, user interaction and personalization, data validation, and processing of browser-side data structures. Three hours per week.

### **CSCI 4050 Multimedia Tools and Techniques (3)**

*Prerequisite:* CSCI 3300

This course provides the student with hands-on experience using current versions of popular multimedia software on the PC. Static and dynamic images are created, manipulated, and integrated into applications. Video conferencing and streaming audio and video are also examined. Three hours per week.

## 292 Computer Science (CSCI)

### **CSCI 4100 Operating Systems and Architecture (3)**

*Prerequisite:* CSCI 3400

Detailed study of systems programming, general operating systems concepts, memory management, auxiliary storage management, process control, multiprocessing, processor management, networking, performance monitoring, and computer system security.

### **CSCI 4160 Advanced Technologies (3)**

*Prerequisite:* CSCI 4000

This is an advanced course in interactive web programming, emphasizing techniques of graphical programming using new techniques. Currently, the JAVA development environment and the object-oriented nature of JAVA are reviewed. The student will learn the use of advanced JAVA I/O techniques, including exception handling, URL streams, threads, image processing, and client/server programming. Various applet examples are completed as lab exercises. A student web project will be completed as part of the course. Three hours per week.

### **CSCI 4230 Programming Languages (3)**

*Prerequisite:* CSCI 3250

Formal definition of programming languages including specifications of syntax and semantics. Simple statements including precedence, infix, prefix, and postfix notation. Global properties of algorithmic languages including scope of declarations, storage allocation, grouping of statements, binding time of constituents, subroutines, and tasks.

### **CSCI 4350 Compiler Design (3)**

*Prerequisite:* CSCI 3250

Review of program language structures, translation, loading execution, and storage allocation. Compilation of simple expressions and statements. Organization of a compiler including compile-time and run-time tables, lexical scan, syntax scan, object code generation, error diagnostics, object code optimization techniques, and overall design. A simple compiler is designed and implemented as a group project.

### **CSCI 4390 Introduction to Java Server Pages (3)**

*Prerequisite:* CSCI 4000

This is an introduction to server-based Web processing within a Java Server Pages (JSP) development environment; coverage of server-side scripting elements, database access methods, servlets, dynamic content, standard and custom actions, authentication, and JavaBeans. Three hours per week.

### **CSCI 4400 Principles of Database Management (3)**

*Prerequisite:* CSCI 2010 or 3300

Database development process, data structures, and database methods of file storage, primitive databases, relational model approach to database management, hierarchical, network and object oriented models, data security, and discussion of sample databases such as Microsoft Access and Microsoft SQL Server.

### **CSCI 4410 Database Administration Using DB2 (3)**

*Prerequisite:* CSCI 4400

This course teaches topics of database administration including database design, database implementation, user support, change-control procedures, planning for growth, and technology evaluation using DB2 database management system. Three hours per week.

**CSCI 4420 Database Administration Using MS SQL Server (3)**

*Prerequisite:* CSCI 4400

This course teaches topics of database administration including database design, database implementation, user support, change-control procedures, planning for growth, and technology evaluation using MS SQL Server. Three hours per week.

**CSCI 4430 Database Administration Using Oracle (3)**

*Prerequisite:* CSCI 4400

This course will teach basic database features and administrator operations using the Oracle Database Management System. This will include components, tools, instances, tables, indexes, and profiles.

**CSCI 4450 Introduction to Artificial Intelligence (3)**

*Prerequisite:* CSCI 3250

Progress and procedures in the field of artificial intelligence. Natural language models, machine translation, simulation of belief systems, models of memory and cognition, games and game playing, winning strategies, and robotics.

**CSCI 4500 Introduction to Computer Networks (3)**

*Prerequisite:* CSCI 4100

Computer network concepts and their applications in example networks. A study of the layers of the Open Systems Interconnection (OSI) reference model. Particular attention will be given to applications using available on-campus networks.

**CSCI 4520 Network Security (3)**

*Prerequisite:* CSCI 3700

An examination of the tools, techniques, and technologies used in the securing of information assets via networks. Topics covered include network operating system security, security of transmissions, firewall configurations, vulnerabilities and hardening of network components, Web and distributed system security, and procedures dealing with storage and disposition of sensitive data.

**CSCI 4550 Computer Graphics (3)**

*Prerequisites:* CSCI 2010 and MATH 3450 or MATH 2110

Computer graphics for computer science or mathematics students with emphasis on implementation details, algorithms, transformations, coordinates, color models, interactive graphics, and graphics standard languages. Raster and vector graphics, color and black and white, will be studied using various hardware devices. PostScript and device-dependent languages may be explored.

**CSCI 4600 Software Design and Development (3)**

*Prerequisite:* CSCI 3250

Techniques and procedures applicable to the design and development of large-scale software systems. Programming teams, program walk-through, system evaluation, system review. A software system is designed and written as a team project during the course.

## 294 Computer Science (CSCI)

### **CSCI 4610 Advanced Visual BASIC Programming (3)**

*Prerequisite:* CSCI 2080

This course introduces advanced Visual Basic controls and programming techniques that are used in developing high-level windows applications. Topics that will be covered include advanced database handling; data validation routines; error handling procedures; keyboard events; developing menus, toolbars, and status bars; drag and drop events; graphics and animation handling; ActiveX controls dynamic link libraries (DLL); object linking and embedding (OLE); and object oriented (OO) techniques. Three hours per week.

### **CSCI 4630 Web Server Administration (3)**

*Prerequisite:* CSCI 3300

An introduction to the setup and maintenance of Web server software. Both Internet Information Server (IIS) and Apache will be used as examples.

### **CSCI 4650 Introduction to Active Server Pages (3)**

*Prerequisite:* CSCI 4400

This is an introduction to server-based Web processing within an Active Server Pages (ASP) development environment; coverage of browser- and server-based scripting languages, data structuring and data exchange languages, file and database access methods, dynamic page styling, and other technologies for creating dynamic, data-driven Web sites. Three hours per week.

### **CSCI 4670 Network Applications (3)**

*Prerequisite:* CSCI 3700

This course introduces a variety of network applications and services. Topics covered include WWW and HTTP, FTP, Telnet and SSH, Email (POP3 and SMTP), Usenet, P2P, VNC, remote access, chat room, and instant messaging service.

### **CSCI 4700 Symbolic Logic for Mathematics and Computer Science (3)**

*Prerequisites:* MATH 1920 or MATH 1820 and CSCI 2010

Logics used in mathematics and computer science. Propositional calculus, predicate calculus, model theory, and logics applicable to computer programming and computer languages.

### **CSCI 4750 Systems Analysis and Design (3)**

*Prerequisites:* CSCI 3020 or 4400

Detailed study of the life cycle of a business information system. Techniques used in the study, design, development, and implementation phases of the life cycle are presented. A complete system, designed and developed as a small-group project, is constructed during the course. Emphasis is placed on the development of a simple but functional system.

### **CSCI 4770 Advanced Data Communications and Networking (3)**

*Prerequisite:* CSCI 3700

This course is an advanced study of telecommunications and networking. Topics include an in-depth study of TCP/IP protocols, switching, routing, WAN technology, network administration, and emerging technologies.

**CSCI 4800 Computer Science and Information Systems Seminar (1)**

*Prerequisites: senior standing and permission of instructor*

Problem solving using techniques from all areas of the Computer Science and Information Systems curriculum. Research on an assigned topic culminating in a written paper and oral presentation. Review of all basic areas of study in preparation for entry into the job market. Overview of job opportunities in the computer field.

**CSCI 4900 Special Problems in Computer Science (3)**

*Prerequisite: advanced standing in computer science*

Selected topics of general interest.

**CSCI 4910, 4920, 4930 Topics in Computer Science (1 each)**

*Prerequisite: advanced standing in computer science*

Selected topics of particular interest.

**CSCI 4940 Internship in Information Technology (3)**

*Prerequisites: Permission of department chair*

This is a work/study course in Information Technology; student work in an appropriate position and on an appropriate project in information technology for an assigned employer; work project is under direction system evaluation, system review. A software system is designed and written as a team project during the course.

**DANCE (DANC)****DANC 1035 Introduction to Dance (3)**

For majors and non-dance majors, a study of art and language of dance through lectures, discussions, concert attendance, and studio practice. Designed to develop awareness and insight of this art form through discussion, observation, writing, and movement experience.

**DANC 1350 Ballet I (3)**

Introduces elements of ballet technique and vocabulary. Stresses learning elementary positions and movements characteristic of this highly stylized art form.

**DANC 1450 Modern Dance I (3)**

A studio class for students with concentration stress in concert modern dance. Emphasis upon correct alignment; development of strength, rhythmic and dynamic activity, as well as spatial and locomotor patterns.

**DANC 1500 Jazz Dance (3)**

*Prerequisite: DANC 1035 or approval of instructor*

Contemporary jazz dance technique with practical application of the elements of jazz style, including alignment, stretch, strength, isolations, stylistic movement combinations, and basic dance vocabulary. Course is appropriate for the student with little or no previous experience in jazz dance.

## 296 Dance (DANC)

### **DANC 2355 Ballet II (3)**

*Prerequisite:* DANC 1350 or approval of instructor

An elaboration and extension of principles addressed in Ballet I. Greater emphasis on center adagio and allegro sequences and exploration of balletic style. Students will continue to experience the flow and continuity of ballet sequences and become more familiar with the stylistic, historical, theoretical, and aesthetic bases of the form.

### **DANC 2450 Modern Dance II (3)**

*Prerequisite:* DANC 1450 or approval of instructor

Studio class designed to increase skills, range, and artistry in modern dance techniques. Emphasis will be placed on movement proficiency and combinations.

### **DANC 3040 History and Philosophy of Dance (3)**

Designed for majors and non-majors, this course will present a comprehensive view of the evolution of dance as an art form. It is designed to develop awareness and insight through lecture, discussion, music, video, observation, and writing about dance.

### **DANC 3250 Dance for Musical Theatre (3)**

Choreographic components for theatre actors to stage musical sequences in theatre, basic, period, and stylistic dance combinations and strategies.

### **DANC 3400 Dance Composition (3)**

*Prerequisite:* approval of instructor

This course introduces the skill of manipulating the elements of time, space, and force in relation to the human body to communicate artistic intent. The course will explore movement invention and the craft of choreography using structural devices such as theme and development, chance sequencing, retrograde, and canon.

### **DANC 3450 Advanced Dance Techniques (3)**

*Prerequisites:* DANC 2350, 2450 or approval of instructor

Intensive development and refinement of dance technique. Focus is placed on artistic concerns appropriate to advanced level dances.

### **DANC 385A-H Dance Practicum (1)**

The practical application, on an individual basis, of previously studied theory and the collection of data for future theoretical interpretation. Credit is given for performance activities and participation.

### **DANC 3880 Costuming for Dance (3)**

Basic design theory emphasizes line, shape, color, and texture, followed by a discussion of style. Includes more practical work of draping, dyeing, and patterning. Teaches students to measure and research.

### **DANC 460A-F Special Topics in Dance (3)**

*Prerequisite:* DANC 1035 or approval of instructor

Concentrated study of aspects of dance or related fields based on particular interests and training of the instructor and/or demonstrated needs of the students. Course title will be announced in advance, and course may be repeated as content changes.

**DECISION SCIENCES (DSCI)****DSCI 3410 Production Operations Management (3) (cross listed with ENGT 3610)**

*Prerequisite:* QM 3110 or MATH 3250

Methods of efficient plant management, including production scheduling, inventory control, forecasting, linear programming, transportation, statistical analysis, CPM, PERT, simulation, quality control, work management and maintenance.

**DSCI 3510 Managerial Dynamics and Simulation (3)**

*(cross listed with ENGT 3660)*

*Prerequisite:* DSCI 3410

Dynamic phenomena surrounding business and engineering environment through simulation techniques on computer. Problems in queuing theory, inventory processing, sales forecasting, advertising, random number generators, flow charting, and stochastic nature of equations, Buffon's Needle, and discrete and continuous systems.

**DSCI 3530 Statistical Quality Control (3) (cross listed with ENGT 3650)**

*Prerequisite:* DSCI 3410

Basic principles and techniques of quality control and its applications to manufacturing process. Emphasis on process control, sampling inspections, reports, and records based on statistical analysis.

**DSCI 4410 Operation Research (3) (cross listed with ENGT 4610)**

*Prerequisite:* DSCI 3410

Continuation into the advanced sections of production/operations management. Stochastic inventory, integer, non-linear mathematical, and goal programming; effects of quality control, plant layout, and queuing on the overall production process; sensitivity analysis and simulation.

**DSCI 4500 Business and Economic Forecasting (3)**

*Prerequisite:* DSCI 3410

Factors contributing to business fluctuations and description of the features of U.S. cycles, alternative models of business cycles, basic economic indices and indicators, and econometrics models and forecasting techniques.

**EARLY CHILDHOOD (EC)****EC 2200 Introduction to Early Childhood Education (4)**

Historical and theoretical influences upon early childhood education. Legal, ethical, health and safety, and professional issues impacting the care and education of children, birth through age eight. Orientation to early childhood teacher education licensure program and the early childhood profession, including leadership and measurement of programs for young children and their families. Includes observation of early childhood programs.

**EC 3010 Early Literacy Development (3)**

*Prerequisite:* must meet Milestone I requirements (candidacy status)

Survey of theoretical, conceptual, and empirical materials on language development in children. Implications for literacy development and the teaching of reading and writing will also be required.

## 298 Early Childhood (EC)

### **EC 4020 Developmentally Appropriate Practice: K-3 (3)**

*Prerequisites: must meet Milestone II requirements (provisional admission status)*

Survey of theoretical and practical issues related to developmentally appropriate practice including social constructivism, thematic and literature-based instruction, curriculum integration, and the role of the physical and social environment in teaching and learning. Emphasis on social studies curriculum, K-3.

### **EC 4030 Evaluation and Assessment: Pre-Kindergarten-Grade 3 (3)**

*Prerequisites: must meet Milestone II requirements (provisional admission status)*

Student assessment, evaluation of programs, and processes for parent involvement will be addressed. Emphasis on observation and documentation and other authentic strategies. Includes field-based experience with children.

### **EC 4040 Problem Solving: Pre-Kindergarten (3)**

*Prerequisites: must meet Milestone II requirements (provisional admission status)*

Develops competency in the selection and use of materials, resources, and instructional strategies to foster problem solving and higher order thinking skills in pre-kindergarten children. Development of early science, math, and social skills will be emphasized. Includes field-based experience with children.

### **EC 4080 Child Guidance and Classroom Management (3)**

*Prerequisites: must meet Milestone II requirements (provisional admission status); must be taken in semester prior to student teaching.*

Develops competency in the selection and use of materials, resources, and instructional strategies to foster problem solving and higher order thinking skills in pre-kindergarten children. Development of early science, math, and social skills will be emphasized. Includes field-based experience with children.

### **EC 4140 Applications of Developmental Theory (3)**

*Prerequisite: EC 4020*

Develops competency in the selection and use of materials; in the use of instructional strategies; and in the teaching of specific skills. A portion of the course is field based.

### **EC 4160 Learning Styles of the Culturally Different (2)**

Give the student appropriate experiences in (1) developing an awareness of the learning styles; (2) investigating materials and methods designed to aid in the learning process; and (3) formulating objectives and techniques for working with the parents of the culturally different child.

## **ECONOMICS (ECON)**

### **ECON 2000 Contemporary Economics (3)**

Introduction to current economic events; relates current happenings to past events to understand the basic economic forces that influence our system.

### **ECON 2010 Principles of Macroeconomics (3)**

Principles of pricing, stabilization, and growth in a modern capitalist economy; supply and demand; employment theory and fiscal policy banking systems; and monetary policy, economic growth, and fundamentals of the international economy.

**ECON 2020 Principles of Microeconomics (3)**

ECON 2010 is *recommended*

Principles of the economics of the firm, pricing of resources, production and costs, firm behavior in alternative markets, and analysis of current economic problems.

**ECON 3010 Intermediate Microeconomics (3)**

*Prerequisite:* ECON 2020

Concepts of value and distribution under alternative market condition; elasticity; allocation of resources and price determination; analysis of consumption; and marginal utility.

**ECON 3020 Intermediate Macroeconomics (3)**

*Prerequisite:* ECON 2010

Macroeconomic problems of inflation and unemployment; statistics (GDP and the Consumer Price Index) and theory (Classical, Keynesian, and Monetarist views); and public policies.

**ECON 3210 Money And Banking (3)**

*Prerequisite:* ECON 2010

The nature and function of money; organization and operation of monetary and financial systems; determinants of money supply and demand; the conduct of monetary policy and its impact on employment, income, and price level.

**ECON 3220 Managerial Economics (3)**

*Prerequisite:* ECON 2010 (QM 3110 and junior standing recommended)

Environment of the firm; intra-firm decision problems; analytical concepts and methods; partial-equilibrium analysis of the product markets; analysis of factor productivities, cost, pricing principles, and practices; and estimation of demand and cost primarily from the standpoint of managers in the private sector.

**ECON 3510 Government and Business (3)**

*Prerequisite:* ECON 2010

Relationships between government and business; government efforts to enforce competition to regulate public utilities; and protect the special interests of farmers, workers, and consumers.

**ECON 3960 Urban Environments and Economics (3) (cross listed with GEOG 3960)**

An examination is made of the urban environments. Consideration is given to environmental problems.

**ECON 3980 Economic Geography (3) (cross listed with GEOG 3980)**

A systematic examination of the structure of dynamic global economic activities. Economic theory is emphasized for review of geographic patterns of resource utilization.

**ECON 4000 Issues in Free Enterprise (3)**

*Prerequisite:* junior standing or admission to the BBA Program

Special topics in the area of free enterprise; topics may vary from time to time according to the specialty of the occupant of the Chair of Excellence in Free Enterprise in the BBA Program.

## 300 Economics (ECON)

### **ECON 4210 Public Finance (3)**

*Prerequisites:* ECON 2010 and junior standing

Role of government and its functions and limitations in a market; provision of goods and services by all levels of government; instruments of taxation evaluated according to efficiency and equity criteria; and contemporary public sector issues.

### **ECON 4310 Labor Economics (3)**

*Prerequisites:* ECON 2020 and junior standing

Economics of the labor market and labor relations; theories of wages and employment; determination of unemployment; investment in human capital; discrimination; public policy toward the labor market; role of labor unions; practices; procedures; legal foundations; legal structure associated with collective bargaining; form and content of the labor contract; grievance machinery; and mediation and arbitration institutions.

### **ECON 4410 History of Economic Thought (3)**

*Prerequisites:* ECON 2010, 2020, and junior standing

Origin and evolution of economic ideas with emphasis on historical context, problems, and nature of the solutions; historical survey of the economic doctrines of the physiocratic, classical, neoclassical, historical, Keynesian, and other schools of economic thought.

### **ECON 4610 International Economics (3)**

*Prerequisites:* ECON 2010 and junior standing

Process of international commerce. Theory of trade and exchange rates; institutional and legal environment; current policy issues; analysis of international trade and finance; causes and effects of protection; balance of payments; foreign exchange market; international monetary and financial systems; and international economic cooperation and competition.

### **ECON 490A, B, C Special Problems in Economics (1, 2, 3)**

*Prerequisites:* senior standing and permission of instructor

Teacher supervised independent study of economics topics (out-of-classroom) of mutual interest to the student and faculty member.

## EDUCATION (EDUC)

### **EDUC 2100 Foundations of Education (2)**

*Prerequisite:* sophomore standing

The social, philosophical, and historical background of education. The course will contain lecture/discussion and a required field based experience. The Live Text electronic portfolio is introduced.

### **EDUC 3040 Instructional Technology (3)**

*Prerequisites:* EDUC 2100 or permission of instructor; Milestone 1 requirements (candidacy status)

Competency in microcomputer applications in the instructional process, including the use of instructional software, media integration, and use of micros in classroom management.

**EDUC 3070 Instructional Strategies (3)**

*Prerequisite: Milestone I requirements (candidacy status)*

Competencies in selected generic teaching skills, such as mastery learning, questioning, positive reinforcement, pupil evaluation, etc. Required prior to methods block or secondary education methods courses (4400's). A field experience is required.

**EDUC 3090 Elementary School Curriculum, Methods, and Philosophy (3)**

*Prerequisite: Milestone II*

This course focuses on the principles of child development, effective and differentiated instructional strategies for diverse young learners, standards-based curriculum integration, instructional planning as assessment. A field experience is required.

**EDUC 4040 Teaching Social Studies: K-6 (3)**

*Prerequisites: Milestone II requirements (provisional admission status)*

The objectives, problems, and instructional techniques in teaching social studies, grades K-6. A school-based teaching experience is required.

**EDUC 4080 Classroom Organization and Management (3)**

*Prerequisite: Milestone II requirements (provisional admission status)*

Theories of classroom organization and management and their application. A field experience (including preclinical experience) is required. Must be taken semester prior to student teaching.

**EDUC 4090 Middle School Methods and Curriculum (3)**

*Prerequisite: Milestone II requirements (provisional admission status)*

Curriculum, program, and philosophy uniquely focused on the middle grades student. A field experience is required.

**EDUC 4160 Teaching Diverse Students (3)**

*Prerequisite: Milestone I requirements (candidacy status)*

Introduces students to the concept of multicultural education as an idea, an educational reform movement, and a process, incorporating the principle that all students, regardless of their gender, disability status, social class, socioeconomic condition, ethnic, racial, cultural, or sexual identity should have an equal opportunity to learn in school.

**EDUC 4270 Classroom Evaluation and Assessment (3)**

*Prerequisites: Milestone I requirements (provisional admission status); EDUC 3070 is a prerequisite or corequisite*

Pupil assessment; evaluation of programs; self-assessment; differentiated instruction; con-temporary assessment strategies; and related research applications.

## 302 Education (EDUC)

### **EDUC 4410 Student Teaching: Grades K-3 (5)**

### **EDUC 4510 Student Teaching: Grades 4-6 (5)**

### **EDUC 4610 Student Teaching: Grades 7-8 (5)**

### **EDUC 4710 Student Teaching: Grades 9-12 (5)**

*Prerequisite:* Milestone III requirements (full admission status)

Teacher candidates will teach a full semester under the direction of a University mentor and mentor teachers. Experience at two grade levels and in varied settings is required.

According to state directives, the student teacher must receive prior written permission from the Director of the School of Education to enroll in coursework other than student teaching during the semester. 4310, 4410, 4510, 4610, and 4710 are corequisites with an intensive seminar (EDUC 4950, 2 credits) in which portfolio-based and other summative assessment is accomplished. The seminar also addresses relevant issues in professional education, as well as licensure procedures and induction into the teaching profession. Pass/Fail grade.

### **EDUC 4720 Special Topics in Education (1, 2, 3)**

*Prerequisite:* permission of Director of School of Education

Used to satisfy special needs of groups or independent study activities for individuals.

### **EDUC 4730 Problems in Education (1, 2, 3)**

*Prerequisite:* permission of Director of School of Education

Used to satisfy special needs of groups or individuals who have unusual or atypical requests.

### **EDUC 4950 Teaching Seminar (2)**

This course is a capstone seminar required during the clinical semester. The course will focus on formative and summative assessment; completion of program and licensure requirements; professional development; and orientation and induction into the teaching profession. The Live Test electronic portfolio will be completed and defended during the seminar. Course includes small group and whole group discussions, guest speakers, and self-reflection.

## ENGLISH (ENGL)

### **ENGL 1010, 1020 English Composition I and II (3 each)**

Development of the student's writing skills through a process of thinking, researching, planning, writing, reviewing, revising, and editing expository essays.

Note: ENGL 1010 is a prerequisite for ENGL 1020. ENGL 1010 and ENGL 1020 are prerequisites for all other English courses except English as a Second Language (ENGL 1210, 1220).

**\* ENGL 1010 must have a grade of "C" or better**

### **ENGL 1100 Technical and Report Writing (3)**

Styles and forms of technical writing designed for students whose jobs will require the writing and producing of a variety of technical documents. Topics covered include the nature of technical language, audience-analysis, data collection and organization, and page design, with practice in the writing of investigative reports, proposal, technical manuals, newsletters, and promotional materials. Students are introduced to word-processing, desktop publishing, and graphics computer programs. Exercises simulate actual working conditions.

**ENGL 1210, 1220 English as a Second Language (4 each)**

Prerequisites:

(1) Status as an international student whose native language is not English;  
 (2) The minimum proficiency in English that is required of foreign students for admission to the University (500 minimum score on TOEFL). This is a one-year series of courses designed to meet the special linguistic needs of international students or permanent residents whose native language is not English. ENGL 1210-1220 do not satisfy the communication requirement in the Liberal Arts core, nor do they count toward graduation. ENGL 1210-1220 do NOT satisfy the ENGL 1010 and ENGL 1020 requirement, but they do count toward semester accumulated hours.

**ENGL 1210:** Development of English language skills: reading, writing, speaking, and listening.

**ENGL 1220:** Focuses on composition, the process of organizing thoughts, writing, revising, and editing. Works of established writers are analyzed and discussed.

**ENGL 2030 Traditions in World Literature (3)**

An overview of world literature that will include works from different periods. This course is a prerequisite to all ENGL upper division literature courses.

**ENGL 2200 Introduction to Creative Writing: Poetry and Fiction (3)**

Writing and analysis of poetry and short stories.

**ENGL 3010 Studies in American Literature I (3)**

Advanced analysis and background study of American texts written before 1866.

**ENGL 3020 Studies in American Literature II (3)**

Advanced analysis and background study of American texts written after 1865.

**ENGL 3100 Studies in British Literature I (3)**

Advanced study of medieval and early modern British literature with an emphasis on critical and theoretical approaches.

**ENGL 3130 Studies in British Literature II (3)**

Advanced study of 19th and 20th century British literature with an emphasis on critical and theoretical approaches.

**ENGL 3150 Shakespeare (3)**

Reading of selected plays and poems including a comedy, a tragedy, a history play, and a romance. The choice of works will be made after class has been surveyed. Some attention will be given to the life and times of Shakespeare.

**ENGL 3200 Expository Writing (3)**

Instruction in the art of expository writing that introduces students to the aims of discourse; the methods for applying rhetorical schemes and tropes, including the use of symbolism; the use of grammar in the service of style; academic formats and styles of writing; and the paradigms for various types of writing projects.

## 304 English (ENGL)

### **ENGL 3210 Writing Fiction (3)**

*Prerequisite:* ENGL 2200

The student is guided individually and as a member of a group in the writing and analysis of short stories.

### **ENGL 3220 Writing Poetry (3)**

*Prerequisite:* ENGL 2200

The student is guided individually and as a member of a group in the writing and analysis of poems.

### **ENGL 3310 Stories for Creative Writers (3)**

Exposes readers and writers of fiction to a body of classic short stories by Americans, other writers of the English language, and non-English-speaking writers in translation.

### **ENGL 3320 Poetry for Creative Writers (3)**

Exposes readers and writers of poetry to a variety of contemporary poems by Americans, other writers of the English language, and non-English-speaking writers in translation.

### **ENGL 340A Arthurian Romance (3)**

Various versions of the Arthurian legend from the Middle Ages to the 20th century.

### **ENGL 340B Literature of the American West (3)**

Representative works on the American West with attention to the historical, cultural, and psychological significance of this genre.

### **ENGL 340C Modern Southern Fiction (3)**

Southern writers with special emphasis on those of the 20th century.

### **ENGL 340D Mythology and Folklore (3)**

The role of mythology in literature from the Golden Age of Greece to that of contemporary popular culture, including the function of folklore stories, music, and legends.

### **ENGL 340E Russian Literature (3)**

A study of Russian literature with emphasis on the 19th century.

### **ENGL 340F Women Writers: Topics in Women's Literature (3)**

Examination of significant issues or topics reflected in women's literature from a variety of cultures and perspectives. Topics will be selected by individual instructors.

### **ENGL 340G Critical Studies in African American Literature (3)**

Selected readings in African American literature with an emphasis on different critical approaches to literature.

### **ENGL 340H African Writers (3)**

African writers in English since the colonial experience. Illuminates the character, literary, and thematic concerns of the works studied. Students will read from West, East, and South African authors.

**ENGL 340J Shakespeare on Film (3)**

Students study plays through reading the plays and viewing significant 20th century films. Discussion focuses on film as an interpretative portrayal of a play, emphasizing how cinema translates Shakespeare's works. Some films are authentic dramatizations of plays, while others are contemporary revisions through Broadway musicals and foreign films with English subtitles.

**ENGL 340L Early American Literature (3)**

Major and minor writers from the first arrival of the Europeans to 1776.

**ENGL 340M U.S. Latino/a Literatures (3)**

Studies in the Latino/Latina literatures of the United States with emphasis on Cuban-American, Puerto Rican, Mexican-American, and Dominican-American literary and cultural traditions.

**ENGL 340N Gay and Lesbian Literature Across Cultures (3)**

Cross-cultural studies in gay and lesbian literature. Topics, approaches, and readings will vary with individual instructors.

**ENGL 340P Topics in World Literature (3)**

Reading and analysis of literature in translation from various cultures and time periods. Topics, critical approaches, genres, and writers will vary with individual instructors.

**ENGL 340R Century's End: Race and Gender at the Turn of the Twentieth Century (3)**

Examination of the ways in which race and gender were constructed and construed in American culture from 1890 to 1914, through study of relevant fiction, nonfiction, and film.

**ENGL 340S Bible and Literature in English (3)**

The influence of the Bible on the English language and literature will be explored. Readings will include selections from the Bible and works of literature influenced by it.

**ENGL 340W Critical Studies in Women's Literature (3)**

Selected readings in Anglo-American women's literature with an emphasis on feminist, new historicist, and other contemporary critical approaches involving race, class, and gender issues.

**ENGL 3420 The Adolescent Experience in Literature (3)**

Emphasizes thematic connections between adolescent literature as a late-20th century genre and traditional literature from various literary perspectives. Particular focuses: aesthetic qualities, portrayal of adolescent developmental tasks, representation of adolescence in diverse cultural contexts, and application in Secondary-English classrooms. Required for English majors in teacher licensure program.

## 306 English (ENGL)

### **ENGL 3500 Advanced Technical Writing (3)**

*Prerequisite:* ENGL 1100

Technical writing as a professional discipline, for students planning careers as technical writers or who anticipate that technical writing will be among their major duties in their chosen fields. Styles and forms in technical writing, emphasizing audience analysis and other social aspects of technical writing along with page design and desktop publishing. Extensive use of computers.

### **ENGL 3510 Technical Report Writing (3)**

*Prerequisite:* ENGL 1100 or 3500

Designed to give the student practice in designing, writing, and producing a variety of technical papers, reports, and manuals. Projects determined by student's major and interests. Extensive use of sophisticated graphics and desktop publishing equipment.

### **ENGL 3600 Professional Writing and Editing (3)**

*Prerequisite:* ENGL 1100

Writing common to professions outside of business; academic writing, report writing, industrial writing, scientific discourse, empirical research, and environment writing.

### **ENGL 360A American Drama (3)**

American drama as literature. Drama written in the 20th century, especially the works of Eugene O'Neill, Arthur Miller, Tennessee Williams, Maxwell Anderson, Lillian Hellman, Edward Albee, and others.

### **ENGL 360B American Short Story (3)**

The historical and literary backgrounds of the American short story; extensive reading, discussion, and presentation of analyses of representative stories.

### **ENGL 360C English Drama, 1580-1780 (3)**

Examination of selected non-Shakespearean plays of the Renaissance and of representative plays of the Restoration and 18th century, as well as exposure to the nature of theaters of these periods and to the general character of the criticism of this literature.

### **ENGL 360D Literary Criticism (3)**

An exploration of critical approaches to literary texts and a study of recent developments in the theory of language and literature.

### **ENGL 360E Modern Drama (3)**

Important plays from Ibsen to the present. Also includes Strindberg, Chekhov, Pirandello, Shaw, and others.

### **ENGL 360F Modern Fiction (3)**

Selected modern works of prose fiction by European as well as British and American authors.

### **ENGL 360G Modern Poetry (3)**

Modern British and American poets with emphasis on poets of the late 19th and 20th centuries.

**ENGL 360H Literature and Film Across Cultures (3)**

Study of films adapted from literature and the literary texts from which they have been created. Readings and films represent various cultures. Selections, critical approaches, and topics will vary with individual instructors.

**ENGL 3700 Business Writing (3)**

Writing common to business, including rhetoric, style, and graphic design in memos, letters instructions, researched reports, and proposals.

**ENGL 370A 17th Century British Prose and Poetry (3)**

Readings in prose, metaphysical poetry, and the Cavalier lyricists, including Bacon, Donne, Milton, Jonson, Herrick, and Herbert.

**ENGL 4200 Writing Workshop: Creative Nonfiction (3)**

*Prerequisites:* ENGL 2030 *required*. ENGL 2200 *recommended*

An opportunity to develop skills in the writing of nonfiction. Assignments may include the following: personal essay, memoir, feature article, review, journalistic report. The student is guided individually and as a member of a group through rigorous analysis or his or her work.

**ENGL 4210 Writing Workshop: Fiction (3)**

*Prerequisites:* ENGL 3210 *and permission of the instructor*

An opportunity to develop skills learned and projects begun in 3210. Students are guided individually and as members of a group through rigorous analysis and criticism of their work.

**ENGL 4220 Writing Workshop: Poetry (3)**

*Prerequisites:* ENGL 3220 *and permission of the instructor*

An opportunity to develop skills learned and projects begun in 3220. Students are guided individually and as members of a group through rigorous analysis and criticism of their work.

**ENGL 4400 Teaching English in Secondary School (3)**

*Prerequisite:* *provisional admission to Teacher Education Program*

Surveys practices in the secondary school English classroom. Includes preparation of teaching unit, simulated teaching experiences, and methods for instructing students in literature, language, composition, visual literacy, and related areas within the language arts. Thirty (30) hours of field experience are required.

**ENGL 4440 Course for Visiting Writers (3)**

The nature of the literature course will be determined by the visiting writer.

**ENGL 4500 Technical Writing Theory and Research (3)**

*Prerequisite:* ENGL 1100 *or permission of instructor*

A study of theoretical issues in technical, professional, and scientific writing, including ethics, rhetoric, usability, design, cognition, and international communication.

**ENGL 460A Major Medieval Writers (3)**

One major writer or selected major writers of the Middle Ages will be studied in depth.

**ENGL 460B Major Renaissance Writers (3)**

One or two major writers of the Renaissance will be studied in depth.

## 308 English (ENGL)

### **ENGL 460C Major 18th Century Writers (3)**

One or two major writers of the 18th century period will be studied in depth.

### **ENGL 460D Major Romantic Writers (3)**

One or two major writers of the Romantic period will be studied in depth.

### **ENGL 460E Major Victorian Writers (3)**

One or two major writers of the Victorian period will be studied in depth.

### **ENGL 460F Major American Writers I (3)**

One or two major American writers of prose will be studied in depth.

### **ENGL 460G Major American Writers II (3)**

One or two major American poets will be studied in depth.

### **ENGL 460H: Major Modern British Writers (3)**

One or two major British writers of the 20th century will be studied in depth.

### **ENGL 4600 Topics in Literature and Language (3)**

Study of a selected topic in literature, linguistics, or writing as determined by the instructor. May be taken twice for credit for a maximum of six hours.

### **ENGL 4610 Professional Writing Internship (3)**

*Prerequisite:* ENGL 1100, junior or senior status, permission of instructor and on-site instructor

Practical experience in technical or professional writing. Students must produce documents meeting the requirements of the instructor and the onsite supervisor. May be taken twice for credit for a maximum of six hours.

### **ENGL 4650 Independent Study in Language or Literature (3)**

Under special circumstances a student may be assigned an academic project not otherwise available. The assignment must be approved by the departmental chair.

### **ENGL 4900 Playwriting (3) (cross listed with THEA 4900)**

*Prerequisite:* sophomore standing

Composing and revising scenes and one or two one-act plays for stage performance.

### **ENGL 4950 Advanced Playwriting (3) (cross listed with THEA 4950)**

*Prerequisite:* ENGL 4900 or THEA 4900

Revising plays and one-act scripts for stage performance.

## **FINANCE (FIN)**

### **FIN 1000 Personal Finance (3)**

An examination of consumer financing, including budgeting, planning, taxes, credit, housing, insurance, investing, and retirement plans.

**FIN 3010 Principles of Finance (3)**

*Prerequisites: junior standing; business majors must also meet the BBA admission requirement*

A survey of business financial practices related to financial analysis, planning and control, managing working capital, capital investment, sources, and costs of financing. Computer models and software are used in instruction.

**FIN 3310 Investments (3)**

A survey of the field of investments, including investment setting, security markets, investment alternatives, valuation principles, strategy, and factors affecting security price movements. Available computer software is used.

**FIN 3510 International Finance (3)**

*Prerequisite: FIN 3010*

Theories of international trade will be introduced, as well as international business finance and its environment. Additional topics to be examined include comparison of financial statements between countries, risk and the foreign investment decision, exchange rate risk, and institutions and instruments of international finance.

**FIN 3610 Principles of Real Estate (3)**

Covers fundamental principles of real estate involved in the ownership and transfer of real property. Other topics include the operation of a real estate business, techniques of real property transactions, problems of buying and leasing real property transactions, and problems of buying and leasing property for residence or investment purposes.

**FIN 3620 Real Estate Finance (3)**

Emphasizes financial aspects of real estate transactions.

**FIN 4010 Managerial Finance (3)**

*Prerequisites: FIN 3010, QM 3110*

Financial management of the firm through in-depth study of financial planning, capital budgeting, working capital management, sources of financing, mergers, capital structure, and cost of capital. Available computer simulations and software are used with cases as instructional aides.

**FIN 4210 Financial Markets and Institutions (3)**

A study of financial markets and financial institutions. Emphasis will be placed on the interaction of financial markets and financial institutions, and their interaction with the corporate sector.

**FIN 4310 Security Analysis and Portfolio Theory (3)**

*Prerequisites: FIN 3310, QM 3110*

Continuation of 3310 through in-depth study of security valuation; risk diversification; portfolio construction; and performance evaluation. Available computer software is used.

**FIN 4400 Financial Policy (3)**

*Prerequisites: FIN 3010, and QM 3110, or senior standing and permission of instructor*

An analysis of selected financial problems and financial management decision making using the case approach. The course emphasizes both internal and environmental analysis in developing appropriate financial strategies for the firm.

## 310 Finance (FIN)

### **FIN 4410 Selecting Equity Investments (3)**

Equity investments decisions made by student teams for the TVA Investment Challenge or similar projects. Written and oral presentations are required.

### **FIN 490A, B, C Special Problems in Finance (1, 2, 3)**

*Prerequisites: senior standing and permission of department chair and/or dean*

Supervised independent study of finance topics (outside of classroom) which are academically relevant and of interest to both student and faculty.

## FRENCH (FREN)

### **FREN 1010, 1020 Elementary French (4 each)**

101A-101B; 102A-102B (2 each): FREN 101A and 101B are equivalent to FREN 1010; FREN 102A and 102B are equivalent to FREN 1020.

*Prerequisite for FREN 1020: FREN 1010*

Introduction to French language and culture with emphasis on oral communication. Extensive practice in reading, writing, speaking, and listening.

### **FREN 2010, 2020 Intermediate French (3 each)**

*Prerequisite for FREN 2010: FREN 1020 or equivalent; Prerequisite for FREN 2020: FREN 2010 or equivalent*

A comprehensive review of French along with extensive reading, close textual examination, and discussion of representative works of French literature.

### **FREN 3040 Study Abroad in Quebec (6-8)**

*Prerequisite: basic knowledge of French or permission of instructor*

A study program in Quebec designed to provide students with a total French-speaking environment which will allow a broadening of knowledge and appreciation of the French language and culture of Quebec. May be repeated for credit.

### **FREN 3050 Semester Study in France (12)**

*Prerequisite: basic knowledge of French or permission of instructor*

A semester-long program of study in France designed to provide advanced French students with a total French-speaking environment which will allow broadening of knowledge and appreciation of French language and culture. May be repeated for credit.

### **FREN 3210 Advanced Composition in French (3)**

*Prerequisite: FREN 2020 or permission of instructor*

Free composition on assigned topics and translations to and from French from a variety of authors and topics to develop fluency and correctness in writing French.

### **FREN 3220 Phonetics and Conversation in French (3)**

*Prerequisite: FREN 2020 or permission of instructor*

A minimum of theory with extensive application in corrective phonetics to assure a high level of accuracy in French pronunciation. Concentrated practice in oral command of French. This course affords the student opportunities to discuss in French assigned topics in order to develop confidence and accuracy in oral expression.

**FREN 3310 Geography and History of France (3)**

*Prerequisite:* FREN 2020 or permission of instructor

Climate and physical aspects of France with an orientation to the civilization of the country, and French history with an orientation to French philosophy, institutions, and social problems.

**FREN 3320 French Civilization (3)**

*Prerequisite:* FREN 2020 or permission of instructor

The creative forces of the genius of French civilization are studied through discussion, lectures, and research projects.

**FREN 3330 Quebec Literature and Culture (3)**

*Prerequisite:* FREN 2020 or permission of instructor

This course will examine the culture, literature, and language of the Canadian province of Quebec. This course complements FREN 3040.

**FREN 3410 Business French**

Vocabulary and concepts in French and Québécois finance, accounting, and marketing.

**FREN 4110, 4120 Independent Study in French (3 each)**

*Prerequisite:* permission of instructor

Students study independently in French under instructor's guidance. Studies are planned to satisfy special individual needs and interests.

**FREN 4510 Survey of French Literature I (3)**

*Prerequisite:* FREN 2020

French literature from the early Medieval period through the 18th century.

**FREN 4520 Survey of French Literature II (3)**

*Prerequisite:* FREN 2020

French literature from the 19th century to the present.

**FREN 4530 French Literature: Special Topics (3)**

*Prerequisite:* FREN 2020

Selected texts from a genre, period, or theme in French Literature. May be repeated for credit.

**GENERAL BUSINESS (GB)****GB 1110 Introduction to Business (3)**

Business environment, economics and legal foundations of business, human resources, marketing operations, and financial functions of domestic and global business.

**GB 3010 e-Commerce Basics I (3)**

A look at tools and technologies needed for Electronic Commerce. Business opportunities, challenges, and strategies for use of the Internet will be explored. Strategies and vision on the national and global information infrastructure will be discussed. A live website (personal first, then a business) and database beginnings for ordering capabilities will be individually built. Impacts of the electronic market, changes in company missions, security issues and other related topics are covered.

## 312 General Business (GB)

### **GB 3020 e-Commerce Basics II (3)**

Continuation of GB3010; including advanced web site development database design. Shopping cart type entry data input for order pick sheets and customer invoicing. Development of e-commerce site documentation. Advanced course designed to provide a current state of the internet, origin and growth of e-commerce, differences and similarities between e-commerce and traditional commerce, and the relationship of e-commerce to the Internet.

### **GB 3700 e-Commerce Shipping Cycles (3)**

This course builds on GB 3010 and 3020, developing the shipping cycles from form entry through delivery to the customer. Warehousing, distribution, and construct of pick sheets, invoices and inventory control, as well as resource allocations, including labor, are studied.

### **GB 3900 Internship (3)**

*Prerequisites: junior standing and permission of the School of Business Internship Coordinator*  
Designed to provide academic credit for relevant and meaningful managerial and professional employment experience in preparation for managerial positions. Term paper and satisfactory evaluation by employer required for credit. Grading on a pass/fail basis.

## **GEOGRAPHY (GEOG)**

### **GEOG 1010 Physical Geography (3)**

Introduction to map reading as well as development of skills and techniques used in the study of geography. This course concentrates on interrelationships among elements of the natural environment: landform, climate, soil, vegetation, weather, and water.

### **GEOG 1020 Geography of Europe, the Americas, and Australia (3)**

Regions and nations generally included within the developed world will be analyzed with respect to their world location, population characteristics, economies, external connections/relationships, and problems/potentialities. Europe, North America, and the more economically developed countries of the Pacific rim are included.

### **GEOG 1030 Geography of Africa, Asia, and Oceania (3)**

The class will focus mostly on regions and nations within the developing world that have the most vulnerable economy, high level of poverty, and ethnic conflicts. The natural and socioeconomic factors will be analyzed in details primarily in category of Least Developed Countries (LDC) as determined by the United Nations.

### **GEOG 3040 Sustainable Development (3)**

*Prerequisites: GEOG 1010, MATH 1010 or higher*  
(cross listed with AGRI 3040)

The impact of a rapidly growing human population on availability of natural resources and pollution of the environment. Minerals and energy resources, soil, water, air, forests, and wildlife habitats will be considered. Reducing consumption and using alternative sources will be considered as options to increasing resources production.

**GEOG 3060 Quantitative Geosciences - Three hours lecture, three hours lab (4)**

(cross listed with GEOL 3060)

*Prerequisites:* GEOG 1010 or GEOL 1040, MATH 1730, or permission of instructor

Techniques of geologic and atmospheric data collection and analysis with special emphasis on those parametric and nonparametric statistics utilized in the applied Geosciences. Emphasis placed on computer applications.

**GEOG 3110 Geography of the United States and Canada (3)**

A spatial analysis of the physical and cultural characteristics of the United States and Canada within a regional context.

**GEOG 3130 Geography of the Middle East (3)**

*Prerequisite:* GEOG 1010 or 1020 or 1030 or permission from instructor

The course will focus on the physical and cultural geography of the Middle East. The objectives are to analyze natural and human components and evaluate the significance of resources such as petroleum and water. The course will also cover historical and religious aspects that play a significant role in demographic, economic, and political development.

**GEOG 3150 Geographic Information Systems I - Three hours lecture, two hours lab (4)**

*Prerequisites:* a working knowledge of high-school algebra and geometry, CSCI 1005 or 1010 or permission of instructor

Introduction to the fundamentals of mapping and geographic information systems, including the nature of spatial data, coordinate systems, data collection, vector data, models, data analysis, mapping, and map interpretation.

**GEOG 3250 Geographic Information Systems II - Two hours lecture, two hours lab (3)**

*Prerequisite:* GEOG 3150

Intermediate geographic information systems; topics including relational database management systems, database design, vector and raster data models, address geocoding, spatial analysis operations, surface modeling, volume estimation, view shed analysis, and data uncertainty.

**GEOG 3750 Geography of the African World (3)**

A thematic approach to the multi-faceted aspects of the physical and human geography of Africa, contemporary geographic ideas, theories, and concepts, and their applicability to African "real-world" situations.

**GEOG 3920 Field Mapping and the Global Positioning System (3)**

*Prerequisite:* MATH 1730

Principles and practice of the global positioning system and their interface with geographic information systems.

**GEOG 3930 Natural Hazards in the Environment (3)**

*Prerequisites:* GEOG 1010, GEOL 1040

Natural hazards are examined, including thunderstorms, tornadoes, hurricanes, drought, volcanic eruptions, earthquakes, landslides, collapse, subsidence, floods, and wildfire.

Emphasis is placed on the interaction between people and the physical process. An analysis is made of the human perception of disasters as well as preparedness and recovery planning.

## 314 Geography (GEOG)

### **GEOG 3940 Technological Hazards in the Environment (3)**

Environmental hazards introduced into the environment as a byproduct of technology are examined, including air, pollution, water, terrestrial pollution, and nuclear and industrial accidents. Emphasis is placed on the role of technology in altering natural processes and how society copes with increasing risks posed to life, limb, and property. Lecture will examine technological hazards as existing and evolving threats and global social, economic, and environmental security.

### **GEOG 3960 Urban Environments (3)**

An examination is made of urban environments. Consideration is given to urban environmental problems.

### **GEOG 3980 Economic Geography (3)**

*Prerequisites:* GEOG 1020, 1030 are recommended

A systematic examination of the structure of dynamic global economic activities, provided through an analysis of their defining spatial patterns, pressures, and interactions. Economic theory is not emphasized, except as necessary for the investigation of geographic patterns of resource utilization and the dynamic interactions of human, economic, and physical environments.

### **GEOG 4000 Environmental Management (3)**

An analysis of environmental regulations and management strategies employed by federal agencies, state and local governments, and corporations.

### **GEOG 4010 Environmental Assessment (3)**

*Prerequisites:* GEOG 4000, ENGL 1100

An analysis of the environmental impact statement (EIS) process. Emphasis is placed on preparation, review, and requirements of an EIS as a tool for environmental assessment.

### **GEOG 4160 Environmental Modeling and GIS - Three hours lecture, two hours lab (4)**

*Prerequisite:* GEOG 3060

The use of a spreadsheet and a geographic information system in simulating atmospheric hydrological, biological, and earth surface processes. Deterministic, stochastic, chaotic, and optimization models will be described and constructed. Structure and behavior of dynamic physical, economic, and human systems, cause-and-effect relationships, and feedback in dynamic models.

### **GEOG 4170 Meteorology - Three hours lecture, two hours lab (4)**

*Prerequisite:* GEOG 1010

An analysis of the components and processes of weather, emphasizing atmospheric energy exchange, local and global circulation patterns, and human modification of weather elements. Weather as a natural hazard is explored. Lab assignments emphasize weather observation, prediction, and presentation.

**GEOG 4180 Climatology - Three hours lecture, two hours lab (4)**

*Prerequisite:* GEOG 1010

Elements and processes defining and characterizing global climate patterns and classifications. Climates are examined for their spatial and temporal interaction with, and impact on, physical, biological, and human activity environments. Impact of environmental and atmospheric phenomena, including global warming and ozone depletion, on climate and climate change are examined.

**GEOG 425A, B, C Applied Geographic Information Systems - Two hours lecture, two hours lab (3 each)**

*Prerequisite:* GEOG 3150

The application of GIS technology to specific areas of specialization within the geosciences. May be repeated for credit.

**GEOG 4260 Remote Sensing - Three hours lecture, two hours lab (4)**

(cross listed with GEOL 4260)

*Prerequisites:* MATH 1730; CHEM 1110 or PHYS 2010

Data capture, image characteristics, and interpretation of aerial photography and satellite imagery, to include multispectral, thermal, and radar images. Digital image processing using a raster geographic information system.

**GEOG 4270 Watershed Management and Modeling - Three hours lecture, two hours lab (4)**

*Prerequisites:* GEOG 3060, (GEOG 1010 or GEOL 1040) and (CHEM 1110 or PHYS 2010)

Quantitative analysis and deterministic simulation of processes in the hydrologic cycle including precipitation, evaporation, infiltration, runoff, erosion, and open channel flow. Surface water quality as impacted by both natural and anthropogenic pollutant sources. Environmental decision making in light of model output.

*GEOG 450x course can only be taken with the permission of the instructor.*

*Only one course can be taken for completion of the geography minor.*

**GEOG 450A Special Problems in Physical Geography (3)****GEOG 450B Special Problems in Economic Geography (3)****GEOG 450C Special Problems in Regional Geography (3)****GEOG 450D Special Problems in Urban Geography (3)****GEOLOGY (GEOL)****GEOL 1000 Geology as a Profession (1)**

Explores varied roles geologists play in private industry and in government. Course features guest speakers who work as geologists in Middle Tennessee.

**GEOL 1040 Physical Geology - Three hours lecture, three hours lab (4)**

*(course renumbered from GEOL 1110)*

Minerals and rocks, volcanism and related processes, weathering and soil development, glaciations, wind and stream erosion, major water and soil pollution problems, natural disaster forecasting, and development of landscape.

## 316 Geology (GEOL)

### **GEOL 1050 Historical Geology - Three hours lecture, three hours lab (4)**

*(course renumbered from GEOL 1120)*

Plate tectonics and continental drift, development of major scientific theories about the earth, physical environment and organic populations of the earth in prehistoric times.

### **GEOL 290A, B, C, D Internship in Geology (3, 4, 5, 6)**

*Prerequisite: permission of instructor*

University arranged and jointly supervised full-time salaried work experience as a technician-level employee of a geologically oriented government agency or company.

### **GEOL 3000 Structural Geology - Three hours lecture, three hours lab (4)**

*Prerequisites: GEOL 1040, MATH 1730 or permission of instructor*

Structure and deformation of the Earth's crust. Topics include rock mechanics and geometry, and Kinematics of faults, folds, joints, and rock fabrics. Laboratory includes geologic map interpretation and data analysis. An overnight field trip is required.

### **GEOL 3002 Structure Field Practicum (1)**

*Corequisites: must take GEOL 3000 and GEOL 3001 concurrently*

Field observation, documentation, and analysis of deformational features formed at middle to upper levels of the earth's crust. Use of the Brunton compass, note taking, and collection and analysis of structural data in the field. An overnight field trip is required.

### **GEOL 3010 Topics in Volcanology - Three hours lecture, two hours lab (4)**

Descriptive study of selected topics in volcanology with emphasis placed on formation, analysis of selected type areas, eruptive history, composition, and characteristics of volcanic material and associated mineral deposits. Research paper involving a detailed analysis of a selected topic required.

### **GEOL 3030 Environmental Geology - Three hours lecture, three hours lab (4)**

*Prerequisite: GEOL 1040*

Major geologic factors that directly influence man's adaptation to his environment. Lecture and laboratory focus attention on evaluation of earthquake susceptibility, landslide occurrence and prevention, flood potential and results of floodplain development, ground water contamination, and similar geologic processes which affect urbanization, engineered structures, and land-use potential and environment.

### **GEOL 3060 Quantitative Geosciences - Three hours lecture, three hours lab (4)**

*(cross listed with GEOG 3060)*

*Prerequisites: GEOL 1040 or GEOG 1010, MATH 1730, or permission of instructor*

Techniques of geologic and geographic data collection and analysis, with special emphasis on those parametric and nonparametric statistics utilized in the applied Geosciences. Emphasis placed on computer applications.

### **GEOL 3100 Stratigraphy and Sedimentation - Three hours lecture, three hours lab (4)**

*Prerequisites: GEOL 1040, 1050*

The genesis, mode of occurrence, and historical significance of sedimentary structures and depositional environments. Laboratories focus on techniques of rock and sediment analysis. An overnight field trip is required.

**GEOL 3500 Mineralogy - Three hours lecture, three hours lab (4)**

*Prerequisite:* GEOL 1040

This course is the study of rock-forming minerals. Includes introduction to crystallography; crystal chemistry; optical mineralogy; and occurrence and identification of common minerals in hand sample and thin section, with special emphasis on silicate minerals.

**GEOL 3600 Petrology - Three hours lecture, three hours lab (4)**

*Prerequisite:* GEOL 3500 at APSU or approval of transfer credit for mineralogy from instructor

The study of igneous, metamorphic, and sedimentary rocks in hand sample and thin section. Includes textural, mineralogical, and chemical characteristics; classification of rocks; and the origin, association, and tectonic occurrence of rocks. An overnight field trip is required.

**GEOL 3650 Geotechnique (3)**

*Prerequisite:* permission of instructor

Techniques and instruments used in applied geology; planning a foundation study, using borehole sensors; and similar projects.

**GEOL 3680 Principles of Geochemistry (3)**

*Prerequisites:* GEOL 1050, CHEM 1120

Physical-chemical factors that control distribution and association of elements in the earth's crust. Some emphasis will also be placed on applications of geochemistry to mineral exploration.

**GEOL 390A, B, C, D Advanced Internship in Geology (3, 4, 5, 6)**

*Prerequisite:* GEOL 290x

A second year of University arranged and jointly supervised full-time salaried work experience as a junior professional in a geologically oriented government agency or company.

**GEOL 4050 Process Geomorphology - Three hours lecture, three hours lab (4)**

*Prerequisite:* GEOL 1040 or permission of instructor

An applied, systematic process approach to landform development based upon threshold concepts. Geomorphic processes emphasized include mass movement, fluvial, aeolian, glacial, and karst geomorphology. Laboratory work is based upon aerial photographs, maps, field projects, and computer data analysis.

**GEOL 4100 Seminar in Tectonics (3)**

*Prerequisite:* GEOL 1040

Tectonic evolution of continents and relation to plate tectonic setting. Topics include terrane concepts, theories on the structural, mechanical, and thermal evolution of contractional and extensional orogenic belts; and origin of foreland and rift basins.

**GEOL 4250 Hydrogeology - Three hours lecture, three hours lab (4)**

*Prerequisite:* MATH 1720 or higher or permission of instructor

Occurrence, movement, and properties of subsurface water with special emphasis on geological aspects of ground water. Secondary emphasis is placed on ground-water flow evaluation and ground-water contamination, flow-net analysis, and pump testing.

## 318 Geology (GEOL)

### **GEOL 4260 Remote Sensing - Three hours lecture, two hours lab (4) (cross listed with GEOG 4260)**

*Prerequisite:* MATH 1730

Data capture, image characteristics, and interpretation of aerial photography and satellite imagery, to include multispectral, thermal, and radar images. Digital image processing using a raster geographic information system.

### **GEOL 4450 Economic Geology - Three hours lecture, two hours lab (4)**

*Prerequisite:* GEOL 3600 or permission of instructor

General features of mineral deposits, their origin, localization, and classification; also incorporates classic examples of mineral deposits with their geologic and geographic occurrence.

### **GEOL 450A, B, C Lab Research Project (3 each)**

*Prerequisite:* permission of instructor

To promote personal growth as an independent investigator, each well-qualified junior or senior may complete an independent laboratory (in-house or field) oriented original research project with faculty supervision.

### **GEOL 455A, B Seminar in Earth Science (1 each)**

*Prerequisite:* permission of instructor

Exploration of a theme from the current literature in the earth sciences.

### **GEOL 4910 Invertebrate Paleontology - Three hours lecture, three hours lab (4)**

*Prerequisite:* GEOL 1050

Principles of faunal interpretation as applied to the fossil record of the invertebrate phyla. An overnight field trip is required.

### **GEOL 4920 Advanced Paleontology (3)**

*Prerequisite:* GEOL 4910 or permission of instructor

Diversification of life, evolution of communities, faunas and floras, paleoecologic reconstruction, and evolutionary patterns are all components of paleontology. Current and past literature is explored to gain insight into patterns and processes in the history of life. Techniques in collection and analysis of paleontologic data are explored.

### **GEOL 4990 Field Geology (6)**

*Prerequisite:* completion of courses required for Geology Concentration or permission of faculty

Six-week intensive experience in measuring section, stratigraphic, and structural interpretation and geologic mapping in a wide variety of igneous, metamorphic, and sedimentary terranes. Projects involve producing geologic maps and reports; aerial photographic interpretation skills, mapping, and location determination with GPS.

### **GEOL 4995 Seminar in Geosciences Communication (2)**

*Prerequisite:* 12 upper division credit hours in Geology

Techniques of writing, editing, and oral presentation in the geosciences. Professional geologic reports, abstracts, and papers are emphasized. Location and critical evaluation of geologic data in print and electronic media will also be addressed.

**GERMAN (GERM)****GERM 1010, 1020 Elementary German (4 each)**

*Prerequisite for GERM 1020: GERM 1010 or 101A-101B; 102A-102B (2 each); GERM 101A and GERM 101B are equivalent to GERM 1010; GERM 102A and GERM 102B are equivalent to GERM 1020.*

Introduction to German language and culture with emphasis on oral communication. Extensive practice in reading, writing, speaking, and listening.

**GERM 2010, 2020 Intermediate German (3 each)**

*Prerequisite for GERM 2010: GERM 1020 or equivalent; prerequisite for GERM 2020: GERM 2010 or equivalent*

A comprehensive review of German along with extensive reading, communicative exercises, and discussions of representative German texts and other media.

**GERM 3040 Study Abroad in German-speaking Countries (6-8)**

*Prerequisite: basic knowledge of German or permission of instructor*

A study abroad program designed to provide students with a total German-speaking environment which will allow a broadening of knowledge and appreciation of German language and culture. May be repeated for credit.

**GERM 3210 Advanced Composition in German (3)**

*Prerequisite: GERM 2020 or permission of instructor*

Free composition on assigned topics and translations to and from German, from a variety of authors and topics, to develop fluency and correctness in writing German.

**GERM 3220 Phonetics and Conversation in German (3)**

*Prerequisite: GERM 2020 or permission of instructor*

Extensive application of corrective phonetics to assure a high level of accuracy in German pronunciation. Concentrated practice in oral command of German. This course affords the student opportunities to discuss in German assigned topics in order to develop confidence and accuracy in oral expression.

**GERM 3410 Business German (3)**

*Prerequisite: GERM 2020 or third-year proficiency*

Vocabulary and concepts in German, Austrian, and Swiss business.

**GERM 3510 German Civilization, Culture, and Geography I (3)**

*Prerequisite: GERM 2020 or permission of the instructor*

German civilization, history, culture, and geography from its origins until the 18th Century.

**GERM 3520 German Civilization, Culture, and Geography II (3)**

*Prerequisite: GERM 2020 or permission of the instructor*

German civilization, history, culture, and geography from the 18th century on.

**GERM 4110, 4120 Independent Study in German (3 each)**

*Prerequisite: permission of instructor*

Students study independently in German under instructor's guidance. Studies are planned to satisfy special individual needs and interests.

## 320 German (GERM)

### **GERM 4510 Survey of German Literature I (3)**

*Prerequisite:* GERM 2020

German literature from the beginning to 1800.

### **GERM 4520 Survey of German Literature II (3)**

*Prerequisite:* GERM 2020

German literature from 1800 to the present.

### **GERM 4530 German Literature: Special Topics (3)**

*Prerequisite:* GERM 2020

Selected texts from a genre, period or theme in German Literature. May be repeated for credit.

## **GLOBAL SECURITY STUDIES (GSS)**

### **GSS 2010 Introduction to Global Security Studies (3)**

Security studies in moving from a purely state-centric focus anchored in the military instrument to one considering transnational issues with global implications, implying collaborative effort to address these issues. Topics include conventional and critical security, gender and age, environmental security, international law, migration, intra-state conflict, terror, and American global power.

## **GREEK (GREK)**

### **GREK 1010, 1020 Beginning Greek (4 each)**

*Prerequisite for GREK 1020:* GREK 1010

An introduction, with cultural context, to the ancient Greek language, with emphasis on the written language; elements of Greek grammar and syntax; practice in reading and translation of Classical and New Testament Greek prose.

### **GREK 1110 Elementary Modern Greek (4)**

An introduction to the modern Greek language, with emphasis on speaking, reading, and writing in an immersion experience. Available only through Study Abroad program in Greece.

### **GREK 2010, 2020 Intermediate Greek (3)**

*Prerequisite for GREK 2010:* GREK 1020 *or equivalent*; *prerequisite for GREK 2020:* GREK 2010 *or equivalent*

Further study of ancient Greek with emphasis on increasing mastery of grammar and vocabulary. Readings are in prose in GREK 2010 and from Homer's *Iliad* in GREK 2020.

### **GREK 3310 The Greek Myths (3)**

This course will present the major Greek myths and provide a basic understanding of methods of interpretation of Greek myths. In addition to the gods and goddesses of the ancient world, we will also examine heroes and the differences between myth and legend/saga. Knowledge of Greek language is not required.

**GREK 3410 Greek Religion (3)**

Introduction to religious beliefs and practices of ancient Greeks, concentrating on fifth and fourth century Athens but exploring cult practices in other periods and areas under Greek influence. Major deities, rituals, festivals, cults, sanctuaries, and their context within civic life. Knowledge of Greek language not required.

**GREK 3510 Greek Historians (3)**

*Prerequisite:* GREK 2020

Selections from Herodotus, Thucydides, Xenophon or any other of the Greek historians. Topics may include the history of historical prose, stylistic qualities of the various writers, as well as grammatical review.

**GREK 3520 Koine Greek (3)**

*Prerequisite:* GREK 2020

Selections from the New Testament, the Septuagint, early Christian writings, and the church fathers. Differences between Attic Greek and Koine will be discussed.

**GREK 3610 Greek Drama (3)**

*Prerequisite:* GREK 2020

Readings from Aeschylus, Sophocles, Euripides, Aristophanes or Menander. Some discussion of Aristotle's Poetics, background to Greek drama, and the production of Greek plays.

**GREK 3620 Greek Philosophers (3)**

*Prerequisite:* GREK 2020

Readings from the pre-Socratics, Plato, Aristotle, et al. Discussion of the history of Greek philosophical writing.

**GREK 3710 Greek Lyric Poetry (3)**

*Prerequisite:* GREK 2020

Readings from Sappho, Alcaeus, Archilochus, Mimnermus, Pindar, et al. Discussion of the history of the development of lyric poetry and its place in the larger Greek poetic tradition.

**GREK 3720 Greek Epic Poetry (3)**

*Prerequisite:* GREK 2020

Readings from Homer's *Odyssey*, Hesiod or Apollonius of Rhodes. Discussion of the history of epic poetry and its place in the larger Greek poetic tradition.

**GREK 3810 Greek Rhetoric (3)**

*Prerequisite:* GREK 2020

Readings from Greek orators, including, but not limited to, Lysias, Demosthenes, Isocrates, Andocides, et al. Discussion of the history of rhetoric, rhetorical devices, and the place of rhetoric in the larger Greek literary tradition.

**GREK 3910 Hellenistic Prose (3)**

*Prerequisite:* GREK 2020

Selections from Pausanias, Lucian, Longus, Plutarch, et al. Topics may include the development of prose, and the stylistic qualities of the various writers.

## 322 Greek (GREK)

### **GREK 4110, 4120 Independent Study in Greek (3 each)**

*Prerequisite:* GREK 3300 or equivalent

Students study independently in Greek under the guidance of an instructor. Studies are planned to satisfy special individual needs and interests. May be repeated for up to a total of 12 hours.

### **GREK 4210 Greek Prose Composition (3)**

*Prerequisite:* GREK 2020

Practice in composing connected prose in Attic Greek of the Classical period. Topics may include grammar review, development of Greek prose, the use of rhetorical devices; there may be brief readings from a variety of prose authors in addition to the composition assignments.

## **HEALTH AND HUMAN PERFORMANCE (HHP)**

### **HHP 1250 Wellness Concepts and Practices (3)**

Course combines health-related content knowledge with participation in physical activity. Content areas include fitness concepts, nutrition and weight management, substance use and abuse, prevention of chronic disease, and human sexuality.

### **HHP 2000 First Aid, CPR, and Safety (3)**

Designed to help students recognize and control injury risk factors through an introduction to the public health approach to injury prevention. Includes skills training for certification in CPR, AED, and first aid to provide immediate and temporary care in the event of an injury or sudden illness.

### **HHP 2010 Technology Applications for Health and Human Performance (3)**

Competency in microcomputer applications in instructional process and in management of health, physical education, and sports. Gives hands-on experience in using a variety of hardware and HHP specific software applications.

### **HHP 2030 Youth and Adolescent Health (3)**

Offers teachers and others working with school-age persons an understanding of key health issues. Focus is on health topics related to family living, including intimacy, reproductive health, and STDs; mental health, including addictive behaviors, stress, and suicide; and injury prevention and safety. Educational and risk reduction strategies are featured.

### **HHP 2050 Community and Environmental Health (3)**

An examination of the individuals and processes involved in the functioning of public and private community health agencies. The concepts of ecology and how ecological problems affect the quality of a healthful life are also presented.

### **HHP 2120 Rhythmic Movement and Educational Gymnastics (3)**

Scope, content, and skill practice of both the educational gymnastics and rhythmic movement programs will be explored. The student will have the opportunity to demonstrate effective teaching strategies in a laboratory setting. Emphasis is placed on planning and organizing activities in grades K-12.

### **HHP 2170 Athletic Coaching of Track and Field Events (3)**

Individual and team fundamentals for coaching track with specific techniques on running, hurdling, and field events.

### **HHP 2240 Introduction to Physical Education (3)**

Comprehensive instruction to give the student planning to major in physical education an orientation to the scope of physical education and lifetime wellness programs.

### **HHP 3000 Health Care Management (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

A study of the principles of effective health-care management functions, including planning, organizing, leading, controlling, and processes of decision making and communication.

### **HHP 3010 Adapted Physical Education (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

Abnormalities and atypical cases; identification, with preventive and corrective practices. The theory and practice of planning special physical education and personal fitness and related skills programs for the elementary and secondary levels.

### **HHP 3030 Nutrition: Science and Application (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

Introduction to the science of nutrition and application to wellness promotion through the use of dietary assessment tools needed for lifestyle changes.

### **HHP 3110 Substance Use and Abuse (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

The content and method pertaining to the preventive aspects of chemical dependency. Included will be emphasis on basic pharmacology, causes of drug abuse, possible alternatives, and the role of school and community services.

### **HHP 3150 Teaching Individual, Dual, and Team Sports (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

Knowledge of planning, organizing, and teaching individual, dual, and team sports. Additionally, the student will develop abilities in individual, dual, and team sports.

### **HHP 3180 Introduction to Physical Education in Elementary Schools (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

The role of PE in child development with emphasis on the study of elementary schools; physical educators and their philosophies, characteristics, and preparation; job opportunities; job satisfaction; special problems in PE at the elementary level; and an overview of activities.

### **HHP 3190 Rhythms, Plays, and Games for Elementary Children (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

Designed to provide instruction and experience in basic rhythms, dance games, and movement explorations for the elementary school child.

## 324 Health and Human Performance (HHP)

### **HHP 3210 Methods and Materials in Physical Education for the Elementary School (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

A study of developmentally appropriate activities for the elementary child to include movement concepts and basic skills. Emphasis is placed on instructional approaches, feedback, assessment, and class management techniques. Students will observe in the schools.

### **HHP 3300 Anatomical Kinesiology (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

Structure, function, and organization of the various tissues, organs, and systems of the human body, anatomic fundamentals of human motion, and the application to a wide variety of motor skills, athletic training, and physical rehabilitation.

### **HHP 3400 Comprehensive and Coordinated School Health Program (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

The course will focus on the components of a total school health program, including school health services, safe and healthful school environment, and comprehensive health education. Emphasis will be placed on methods of organizing and implementing a coordinated K-12 school health program.

### **HHP 4000 Introduction to Gerontology (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

An overview of the factors influencing the health of the aged and aging.

### **HHP 4010 Community Recreation (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

A practical study of materials and methods for recreation leadership in schools and communities.

### **HHP 4030 Living, Dying, Grieving (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair.*

This course is designed to allow students a means by which to examine biological, philosophical, socioeconomic, and cultural viewpoints of living, aging, death and dying, and grieving. A balance of facts, activities, and personally confronting issues are incorporated.

### **HHP 4040 Sport Psychology (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

Psychological principles in sports, including motivational techniques, personality factors, communication principles, and anxiety reduction techniques.

### **HHP 4050 Current Concepts in Wellness Promotion (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

Designed to help students understand specific concepts of wellness promotion in a variety of community settings. Current methods in designing programs that encourage individuals to take responsibility for their own state of health; thus, changing behavior patterns of at-risk population to behaviors that move toward an optimum wellness status.

### **HHP 4060 Consumer Health (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

A study of fraudulent advertising and practices in the health field, such as healing practices, dietary fads, reducing agents, and other healing arts which now comprise only a portion of the modern "medicine show."

### **HHP 4070 Introduction to Disease (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

Modern concepts of diseases, including the etiology of common communicable and chronic diseases.

### **HHP 4080 Psychological Aspects of Human Sexuality (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

The focus is on the human or personal aspect of sexuality. Emphasis is placed on attitudes, emotions, and behavior patterns as related to the development of healthy sexual lifestyles, rather than on the anatomy and physiology of the reproductive system. Students are encouraged to integrate their own life experiences with the academic materials.

### **HHP 4100 Camping and Camp Leadership (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

Designed especially for those interested in camp counseling or in outdoor education. History and the growth of the camping movement, school camps, private camps, and family camping, with emphasis on the role of the camp counselor. Instruction and practical experience in camp craft will be included.

### **HHP 4150 Fitness Assessment and Exercise Prescription (3)**

*Prerequisite: HHP 4250*

An explanation of the importance of exercise in wellness and lifestyle enhancement. Topics covered include exercise prescription, physical fitness assessment, application of training principles, and administration of activity programs in community, corporate, or hospital wellness setting.

### **HHP 4210 Measurement and Evaluation of Physical Education (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

Includes an appreciation of the importance of measurement in health and human performance and wellness. The types of tests appropriate for evaluation in health and human performance, as well as fitness assessments, will be covered. Methods of test construction and statistical analysis will be examined and applied.

### **HHP 4220 Analysis of Movement (3)**

*Prerequisite: HHP 3300 or BIOL 2010*

Designed to develop a basic understanding of how and where the body moves and what the body can do. Opportunities will be provided to demonstrate an understanding of the mechanical principles and concepts of movement and to apply these concepts of movement.

### **HHP 4240 Introduction to Motor Learning (3)**

*Prerequisite: completion of 39 semester hours or permission of department chair*

The study of the application of psychological and physiological principles to learning motor skills and strategies.

## 326 Health and Human Performance (HHP)

### **HHP 4250 Physiology of Exercise (3)**

*Prerequisite:* completion of 39 semester hours or permission of department chair; *prerequisite or corequisite required course:* HHP 3300 or BIOL 2010

Constitutes the scientific basis of physical activity and the development of physical training programs. Factors affecting muscle contraction, nervous control of muscular activity, effects of exercise on body function, muscle strength, fatigue and recovery, and weight management will be studied.

### **HHP 4300 Introduction to Stress Management (3)**

*Prerequisite:* completion of 39 semester hours or permission of department chair

An introductory study of stress, stressors, and stress intervention techniques. This course complements other health offerings by giving students the opportunity to learn about stress as related to current health problems.

### **HHP 4400 Teaching Health and Human Performance (3)**

*Prerequisite:* EDUC 3070, *preadmitted to Teacher Education, completion of 39 semester hours or permission of department chair*

Methods and materials for teaching health, physical education, and lifetime wellness. Emphasis is placed on structuring units of work, lesson plans, evaluation and organization, and development of health, physical education, and lifetime wellness programs. Students will observe in schools.

### **HHP 4444 Cultural Context of Health and Human Performance (3)**

*Prerequisite:* completion of 39 semester hours

Capstone to integrate aspects of the Liberal Arts core with topics in health and wellness, physical education, and sports.

### **HHP 4500 Epidemiology (3)**

*Prerequisites:* HHP 4070, *completion of 39 semester hours or permission of department chair*

Examination of epidemiological concepts in relation to specific public health issues. Disease investigation techniques, causal factors, case histories, and related biostatistics are examined and educational implications are discussed.

### **HHP 4600 Public Health Law (3)**

*Prerequisite:* completion of 39 semester hours or permission of department chair

The study of federal and state legal systems affecting health-care administration and wellness promotion programs.

### **HHP 4910, 4920, 4930 Special Problems in Health and Human Performance (1, 2, 3)**

*Prerequisite:* completion of 39 semester hours or permission of department chair

An independent study providing students with the opportunity to pursue a health-related topic not offered as part of the general curriculum. Health-related topics outside of major emphasis will be encouraged to broaden students' perspective.

### **HHP 4990 Internship in Health and Human Performance (12)**

The internship consists of 360 work or contact hours of observation and participation from selected agencies, corporations, or organizations. Pass/Fail grade.

NOTE: Student must be within 12 hours of finishing degree requirements after completing HHP 4990, except with permission of department chair.

**HISTORY (HIST)****HIST 121A Independent Study: Early World History (1)**

Student will consult with the supervising professor and read selected readings in World History. Evaluation may be either oral or written, depending on the judgment of the supervising professor.

**HIST 1210 World History I (3)**

*(course renumbered from HIST 1010)*

Earliest civilizations of Mesopotamia, Egypt, India, China, and the Aegean; classical civilizations of Greece and Rome; medieval civilizations of the Middle East, India, East Asia, and Western Europe; Africa and the Americas before European contact; the Renaissance; the Reformation; wars of religion; and age of exploration.

**HIST 122A Independent Study: Modern World History (1)**

Student will consult with the supervising professor and read selected readings in World History. Evaluation may be either oral or written, depending on the judgment of the supervising professor.

**HIST 1220 World History II (3)**

*(course renumbered from HIST 1020)*

European interactions with the people of Asia, Africa, and the Americas from 1660; absolutism, the Scientific Revolution and the Enlightenment; civilizations of Africa, the Middle East, and Asia; the French Revolution; the Industrial Revolution; nationalism; zenith and decline of European hegemony; 20th century wars and ideologies.

**HIST 1500 East Asia through The Ages (3)**

*Prerequisite:* ENGL 1010, 1020

This course will cover the history of East Asia from prehistoric times to the present. One major theme of this course will be transmission, particularly who China dominated in pre-modern times, and how the direction of transmission reversed itself with Japan's ascendance.

**HIST 201A Independent Study: Early American History (1)**

Student will consult with the supervising professor and read selected readings in American History. Evaluation may be either oral or written, depending on the judgment of the supervising professor.

**HIST 2010 American History I (3)**

Early exploring and colonizing activities; colonial customs and institutions; colonial wars; friction with England; war for independence; problems of the new republic; the Constitutional Convention; War of 1812; new nationalism; Jacksonian democracy; expansionism and Manifest Destiny; and sectional controversy and Civil War.

**HIST 202A Independent Study: Modern American History (1)**

Student will consult with the supervising professor and read selected readings in American History. Evaluation may be either oral or written, depending on the judgment of the supervising professor.

## 328 History (HIST)

### **HIST 2020 American History II (3)**

Reconstruction; industrialism; the Populist Revolt; politics of the Gilded Age; the New Imperialism and the Spanish-American War; the Progressive era; World War I; prosperity and depression; the New Deal; World War II; and post-World War II era to present.

### **HIST 2030 History of Tennessee (3)**

From the colonial frontier of the 18th century to the modern urban setting. Emphasis will be placed on the political, economic, and social factors that shaped the life of Tennesseans in the 18th, 19th, and 20th centuries.

### **HIST 3300 Ancient Greece (3)**

The Bronze Age civilizations of Knossos, Mycenae, and Troy; the world of Homer; the rise of the city-state; Sparta; the Persian Wars; Athenian democracy and imperialism; literature, art, and philosophy in the Age of Pericles; the Peloponnesian War; and the conquests of Alexander the Great.

### **HIST 3310 Ancient Rome (3)**

The origins of Rome; Etruscan influences; Roman institutions and values; the rise of Rome to world Empire; social and political conflicts; the change from free Republic to imperial despotism; the Pax Romana; the persecution of Christianity; barbarian invasions; and the decline of Rome.

### **HIST 3320 The Middle Ages After 700 (3)**

Major themes in medieval history from 700 a.d. to the Renaissance. Emphasis on the medieval church; Islam; the Carolingians and their empire; seigniorialism and feudalism; crusades; revival of urban life and commerce; learning and the universities; the papacy; and the decline of medieval institutions.

### **HIST 3330 Renaissance and Reformation (3)**

Early modern European society and culture from approximately 1350 to 1650. Topics include the “new learning” and the “new men” of the Renaissance; the development of the nation-state and commercial capitalism; the era of overseas exploration and discovery; the early forms of Protestantism; and the Counter-Reformation.

### **HIST 3340 Absolutism and the Enlightenment (3)**

The political, economic, and intellectual history of Europe, from approximately 1650 to 1789. Emphasis is on the development and practice of Absolutism; the influence of the Scientific Revolution; and the impact of the Enlightenment on social and political thought.

### **HIST 3350 Modern Europe, 1789-1919 (3)**

The French Revolution and Napoleon; 19th century liberalism and nationalism; the 1848 revolutions; the unification of Italy and Germany; the Russian revolutions; and World War I.

### **HIST 3360 Modern Europe, 1919-present (3)**

The aftermath of World War I; Communist Russia; the Great Depression; Fascism and Nazism; World War II; the Cold War in Europe; and the fall of Communism.

### **HIST 3370 European Military History, 1789-1945 (3)**

The development of military strategy, tactics, and technology in Europe from the French Revolution to the end of World War II.

**HIST 3380 Britain to 1714 (3)**

Prehistoric and Roman Britain; Anglo Saxon invasions; heptarchy; Norsemen; Norman invasion and its Impact; development of medieval English institutions; Tudors; Stuarts; and political, social, religious, constitutional, and economic developments in English history to 1714.

**HIST 3390 Britain Since 1714 (3)**

From the accession of the Hanoverians to the mid-20th century. The establishment of the Hanoverian dynasty, industrial revolution, and the rise of Methodism; the defeat of the French Revolution and Napoleon; Victorian era; new imperialism; Boer War; World Wars I and II; and political, social, economic, religious, intellectual, and constitutional developments.

**HIST 3410 Modern Germany (3)**

German history from the rise of Prussia in the 17th century through German unification, both World Wars and the post-World War II recovery. Topics of particular concern are militarism, nationalism, anti-Semitism, and democracy.

**HIST 3440 Africa to 1800 (3)**

An exploration of the origin of humanity and the development of the societal institutions which sustained and perpetuated human civilization from its beginning to 1800 A.D. A survey of Africology from ancient Egypt to the rise of modern nation-states, and an examination of peoples and cultures up to 1800 A.D.

**HIST 3450 Africa Since 1800 (3)**

An explanation of the major themes, peoples, and cultures in 19th and 20th century Africa, from the impact of European involvement to the rise of independent African states, with great emphasis upon how Africa was restored to African rule and Africa's role in world affairs.

**HIST 3460 Colonial Latin America (3)**

In-depth study of the great Pre-Columbian civilizations; Spanish conquests; the formation of the early Spanish state; imperial expansion; development of multi-cultural, transatlantic societies; reorganization of the Spanish Empire; and revolutions for independence. Emphasis upon the Native American component and Spanish and Portuguese colonial institutions.

**HIST 3470 Modern Latin America (3)**

In-depth study of the caudillo systems; creation of the Brazilian Empire; consolidation of nation states; growth of plantation economies; industrialization; dictatorships; and political and social change from independence through the present. Emphasis upon modern Mexico, Argentina, Brazil, and Chile.

**HIST 3480 The Early Middle Ages (3)**

The Mediterranean world in Late Antiquity and the Early Middle Ages, from the second to the 8th century; the decline of the Roman Empire; the triumph of Christianity; barbarian invasions; the Byzantine Empire; the rise of Islam; Arab conquests; the Umayyad Empire; Visigothic, Merovingian, and Anglo-Saxon kingdoms.

## 330 History (HIST)

### **HIST 3520 A History of Modern China (3)**

This course provides a study of Chinese history from the revolution to present. Topics include Confucianism, feudalism, imperialism, communism, Buddhism, literature, gender, ethnicity, and cultural identity. Class meetings consist of lectures, discussions, and films.

### **HIST 3620 Modern Japan (3)**

A critical examination of Japanese history from 1854 to present. Topics include the Meiji Restoration; the process and consequences of Modernization and Modernity; the rise of militarism; the road toward WWII and its aftermath; and social, political, and economic transformation in the post-war period.

### **HIST 3760 Modern Middle Eastern History (3)**

A survey of the history of the area since the emergence and spread of Islam, this course focuses primarily on the historical, economic, and social developments of the Middle East in the 19th and 20th centuries. Emphasis is on Arab world, Turkey, Iran, and Israel.

### **HIST 3820 History of Modern Korea (3)**

A critical examination of Korean history, 19th century to the present. Topics include clashes between tradition and modernization; relationship with China and Japan; internal and external struggles for independence; and causes and effects of two Koreas.

### **HIST 4400 Teaching Social Studies in the Secondary Schools (3)**

*Prerequisite: provisional admission to Teacher Education Program required*

Emphasis on developing skills in unit development, assessing the behavior of students, acquiring skills in class management, teaching techniques, and evaluation. Competencies in selected generic teaching skills, such as mastery learning, questioning, positive reinforcement, pupil evaluation required. A minimum of 30 hours of field experience is required.

### **HIST 4500 The Colonial Era in America, 1607-1763 (3)**

Cultural, social, economic, and political development of Anglo-American colonies to the eve of the Revolution. Topics include settlement patterns; Indian relations; Puritanism; origins of slavery; demography; imperial government and warfare; the Enlightenment; and the Great Awakening.

### **HIST 4510 Era of the American Revolution, 1763-1800 (3)**

The origins, characteristics, and results of the American Revolution. Topics include the Whig political tradition; protest movements; War of American Independence; formation of state and national constitutions and governments; the Federalist years; and the "Revolution of 1800."

### **HIST 4520 The Early Republic, 1800-1845 (3)**

The early republic from Jefferson's election in 1800 through the expansionist period of the Jacksonian years that led up to the Mexican War.

### **HIST 4530 The Civil War Era in America, 1845-1865 (3)**

The Mexican War; the breakdown of national unity over slavery, states' rights, and economic and social differences; the Civil War, with emphasis on its military, political, and economic aspects.

**HIST 4540 Gilded Age America, 1865-1900 (3)**

The aftermath of the American Civil War and the struggle over reconstruction; the transformation of the U.S. into an urban and industrial nation in the last third of the 19th century; and the social and political consequences of that transformation.

**HIST 4570 United States, 1900-1929 (3)**

Early 20th-century America from the era of reform to the Stock Market Crash. Topics include the reform presidencies of Roosevelt and Wilson; American entry into World War I; Harlem Renaissance; cultural and economic challenges of the 1920s; and the Republican presidencies of the era.

**HIST 4580 United States, 1929-1960 (3)**

United States history from the onset of the Great Depression to the promise of a New Frontier; an examination of the New Deal-Fair Deal programs and legacies in American life; the international issues which created World War II and its aftermaths; and the Cold War.

**HIST 4590 United States, 1960-1989 (3)**

United States history from the days of the New Frontier of John F. Kennedy to the New World Order of the Reagan-Bush years; from the politics of fear to the dividends of peace; an examination of the United States at war with itself and the world for more democracy at home and abroad.

**HIST 4620 The South to 1861 (3)**

A synthesis of the economic, social, political, and cultural developments that shaped the history of southern states, from the Colonial period after 1607 to the secession crisis of 1860-61.

**HIST 4630 The South Since 1861 (3)**

The historic development of the South from 1861 to the present, from the trauma of Civil War and the First Reconstruction through the Second Reconstruction of the 1960s and the creation of the modern South.

**HIST 4650 African American History to 1890 (3)**

The African Americans from the cultural roots in Africa to the changing economic, political, and social status in the 1890s. Emphasis will be placed on those African Americans who were active in leadership roles from the colonial era to the Gilded Age.

**HIST 4660 African American History Since 1890 (3)**

African Americans from 1890 to the present. Special emphasis placed on the civil rights movement, Black nationalism, and Black leadership during the era.

**HIST 4670 Women in American History (3)**

The roles of women in the social, economic, and political development of the United States; contributions of women and the historical significance of their attitudes in the liberal reform eras in American history.

**HIST 4700 American Military History to 1919 (3)**

The development and employment in peace and war of American military power, on land and at sea, from the era of the American Revolution to the end of World War I.

## 332 History (HIST)

### **HIST 4710 American Military History Since 1919 (3)**

The development and employment in peace and war of American military power on land, at sea, and in the air since World War I.

### **HIST 4730 U.S. Foreign Relations Since 1890 (3)**

America's rise to the status of Great Power before World War II and global preeminence thereafter. Topics include colonialism, American involvement in World War I, interwar diplomacy, conflicts leading to World War II and the Cold War, Korea, and Vietnam.

### **HIST 4750 American Economic History (3)**

American economic growth since the early 19th century. Topics include the American System, textiles, Railroads, and iron and steel in the last century; since 1900, mass production and consumption, the economic stimulus of war, and the rise of the interventionist state are major topics.

### **HIST 4760 Native American History (3)**

The history of the Native American societies of North America, including their prehistory, development, changing relationships, and adaptation to white society over the past 400 years; role of Native Americans in American history; and Indian history from the tribal perspective. Case studies compare and contrast the Cherokee and Lakota experiences.

### **HIST 4770 History of the American West: Comparative American Frontiers (3)**

Comparison and contrast among the Spanish Borderlands, French, Dutch, English, and American frontiers.

### **HIST 4780 History of the American West: Trans-Mississippi West (3)**

The Trans-Mississippi West, including Native America, exploration, fur trade, hispano-Indian-white relations, western expansion, mining frontier, cattle frontier, military conquest of the plains, violence, reservation life, women in the West, farming frontier, myth vs. reality, and the 20th-century West.

### **HIST 4790 The Military in Nontraditional Roles (3)**

This course addresses non-combat roles performed by the U.S. Military. The occupation of Germany and Japan after WWII, state building, and peace-keeping missions around the globe will be evaluated; demoralization and cultural re-orientation through political, educational, cultural, and economic institutions.

### **HIST 4800 Studies in Liberal Arts (3)**

A writing intensive course based on readings in the Liberal Arts. This is the capstone course for students majoring in Liberal Arts.

### **HIST 4900 Topics in History (3)**

*Prerequisite: junior standing or permission of instructor*

This seminar addresses a specific historical topic, determined by the instructor, involving advanced readings, discussion, and research. The student will complete a thesis, using primary and secondary sources or historiographic paper, engaging two or more historians on the topic. This course may be taken twice for credit for a maximum of six (6) hours.

**HIST 4910 History Abroad (3-6)**

*Prerequisite: junior standing or permission of instructor*

This course involves temporary residence outside the U.S. to study an historical topic in its geographic context. Students will complete a research, using primary and secondary sources or historiographic paper, engaging two or more historians on the same topic.

**HIST 4920 Oral History (3-6)**

*Prerequisite: junior standing or permission of instructor*

Theory and practice of oral history as a technique of research. Students will use primary sources and interviews to study a topic determined by the instructor. Students will complete a paper extensively using and interpreting oral history sources.

**HIST 4930 Historiography Credit (3)**

*Prerequisite: junior standing or permission of instructor*

This seminar is a study of the history and problems of historical writing and interpretation. Typical topics might include romantic history, ancient historians, Scientific Historicism, or current models and interpretations. Students will complete at least one paper engaging two or more historians' styles or arguments on the same topic.

**HIST 4940 Public History (3-6)**

*Prerequisite: junior standing or permission of instructor*

This seminar/internship introduces students to theory and methods of public history. Topics could include archives and records management; historical preservation and interpretation of site and artifacts; and editing and publishing. Students will complete a public history project satisfactory to the instructor and useful to the institutions to which the students are assigned.

**INTERNATIONAL STUDIES (INTS)****INTS 2000 Introduction to International Studies (3)**

An emphasis on different disciplines and their global influences. Students will learn how to prepare themselves for understanding challenges and establishing international connections for their future professional and career opportunities.

**INTS 3000 Study Abroad (12-18)**

Provide appropriate credit for students studying full-time abroad under the supervision of qualified faculty.

**LATIN (LATN)****LATN 1010, 1020 Elementary Latin (4 each)**

*Prerequisite for LATN 1020: LATN 1010*

An introduction, with cultural context, to the sounds and structures of the language with emphasis on the written; in second semester, greater stress on grammar, expanded vocabulary, and translation skills, both oral and written.

## 334 Latin (LATN)

### **LATN 2010, 2020 Intermediate Latin (3)**

*Prerequisite for LATN 2010: LATN 1020 or equivalent; Prerequisite for LATN 2020: LATN 2010 or equivalent*

Further study of Classical Latin with emphasis on increasing mastery of grammar and vocabulary. Readings are in prose in LATN 2010 and from Vergils' *Aeneid* in LATN 2020.

### **LATN 3410 Roman Religion (3)**

An introduction to the religious practices of Ancient Romans, from the late Republic through the first several centuries of the Roman Empire. We will study the major deities, rituals, festivals, and temples of the Roman people, including the cult of the emperor and the emergence of Eastern cults. No knowledge of Latin is required.

### **LATN 3510 Latin Historians (3)**

*Prerequisite: LATN 2020*

Selections from Sallust, Caesar, Livy, Tacitus, Suetonius, or any other of the Latin historians. Some discussion of the history of historical writing in Rome, stylistic peculiarities of the various authors, and the place of historical writing in the broader literary context of ancient Rome.

### **LATN 3610 Latin Drama (3)**

*Prerequisite: LATN 2020*

Selected readings from the plays of Plautus, Terence or Seneca. Discussion of the drama as a literary form, conventions of the Roman theater, Greek predecessors, and the practical side of play production.

### **LATN 3620 Latin Letters (3)**

*Prerequisite: LATN 2020*

Selected readings from the letters of Cicero and/or Pliny the Younger. Some discussion of the letter as a literary form, epistolary style and syntax, Greek predecessors, and the practical side of letter writing in antiquity.

### **LATN 3710 Latin Lyric Poetry (3)**

*Prerequisite: LATN 2020*

Readings from Catullus, Tibullus, Propertius, and other Latin lyric poets. Discussion of the history of the development of lyric poetry, including Greek precedents, and its place in the larger Latin literary tradition.

### **LATN 3720 Later Latin Epic (3)**

*Prerequisite: LATN 2020*

Selected readings from the poems of Ovid, Statius, or Lucan. Discussion of the development of epic poetry in the first century a.d. with reference to the epic tradition.

### **LATN 3810 Latin Rhetoric (3)**

*Prerequisite: LATN 2020*

Readings from Roman orators, primarily Cicero. Readings may include selections from rhetorical works such as the *De Oratore* and the *Rhetorica* and *Herrenium* as well. Discussion of the history of rhetoric, rhetorical devices, and the place of rhetoric in the larger Latin literary tradition.

### **LATN 4110, 4120 Independent Study in Latin (3 each)**

*Prerequisite:* permission of the instructor

Students study independently in Latin under instructor's guidance. Studies are planned to satisfy special individual needs and interests. May be repeated for up to a total of 12 hours.

### **LATN 4210 Latin Prose Composition (3)**

*Prerequisite:* LATN 2020

Practice in composing connected prose in Latin of the Classical period. Topics may include grammar review, the development of Latin prose, and the use of rhetorical devices; there may be brief readings from a variety of prose authors in addition to the composition assignments.

### **LATN 4300 The Roman Novel (3)**

*Prerequisite:* LATN 2020

Selected readings from Petronius or Apuleius. Discussion of the ancient novel tradition, including Greek predecessors and such later authors as Dictys Gretensis and Julius Valerius.

### **LATN 4310 Medieval Latin (3)**

*Prerequisite:* LATN 2020

Selected readings of Latin authors from c. 500 to 1500 A.D. Readings may include both prose and poetry. Study of the development of Latin throughout this period, including some discussion of the breakdown into the vernacular Romance languages.

### **LATN 4410 Latin Satire (3)**

*Prerequisite:* LATN 2020

Selected readings from the poems of Horace, Martial, or Juvenal. Discussion of the development of satire and its place in the Latin literary tradition.

## **LEADERSHIP STUDIES (LDSP)**

### **LDSP 1000 Introduction to the Study of Leadership (1) - PELP students only**

Introduces students to the basic concepts of leadership, followership, volunteerism, and group dynamics, and assists students to develop a heightened self-awareness of their leadership potential.

### **LDSP 1005 Community Organizations (1) - PELP students only**

Examines the structures of community organizations, governmental agencies, and other institutions as they relate to community activities. Included will be discussions of change in organizations, utilizing community resources. Students will be expected to spend some time in the field learning about community organizations.

### **LDSP 2000 Ethics in Leadership (1) - PELP students only**

From Plato to the present, it has been argued that good leaders are good persons, individuals of good character who are able to apply sound reasoning to issues of private and public morality. Topics included will be ethical issues confronted by great leaders, the principles used in their decision making, and application of ethical principles to community situations.

## 336 Leadership Studies (LDSP)

### **LDSP 2001 Communication Skills (1) - PELP students only**

Methods of communication (verbal, non-verbal, and written), barriers to communication, perceptions, styles of communication, conflict prevention and resolution, and skills for leading an effective meeting. The course will include theory and application of ideas presented in a variety of didactic and experiential activities.

### **LDSP 3000 Leadership Development (3)**

This junior-level course, open to all junior or senior students, is designed to expose leadership students to the basic concepts in leadership theory and group dynamics; to assist students in developing and improving skills in communication, group dynamics, goal setting, decision making/problem solving, conflict resolution, and leading effective meetings; to enhance the student's understanding of the characteristics of past and present successful leaders, and to apply this understanding to their own leadership development.

### **LDSP 3001 Leadership Issues I (1) - PELP students only**

Students will be assigned to a community committee and meet with the group on a regular basis as a participating member. In addition, students will attend at least two 2-hour workshops addressing practical application of leadership concepts and will participate in a group project. Readings related to the topic will be required.

### **LDSP 3002 Leadership Issues II (1) - PELP students only**

Continuation of 3001.

### **LDSP 3100 Organizational Dynamics, Politics, and Change (3)**

This course, open to all APSU students, takes an interdisciplinary look at leadership and change in organizations and groups. Students are exposed to structural, cultural, and political challenges that leaders face. Designed to help one understand sources of power and authority; various theories of organizational development and leadership strategies are explored for uses in dealing with complex situations and settings.

### **LDSP 3200 Community Leadership, Strategy, and Social Change (3)**

This course, open to all APSU students, explores basic concepts of strategic leadership in civic and social organizations. Topics include social and civic entrepreneurship, civil society, community visioning, and grass roots strategic planning. Course participants will pursue strategies for building healthy and sustainable communities through asset building, collaboration, social capital development, fundraising, and grant writing.

### **LDSP 4000 Internship in Leadership (3)**

*Prerequisites: appropriate preparation courses and permission of the director*

Students will complete 100 clock hours of supervised work in an approved setting and will be expected to meet at regular intervals with the Director to discuss work in the field. Application for internship should be made with the Director the semester prior to planned enrollment.

### **LDSP 4001 Great Leaders (1) - PELP students only**

Studies of biographies of "models of greatness" will help students discover the characteristics of individuals which contributed to their outstanding accomplishments. Students will draw implications from these studies about their own abilities and skills.

**LDSP 4200 Leadership, Technology, and Change (3)**

This course, open to all APSU students, examines how the leader of any type of organization deals with technology as an agent of change. Students investigate how technology changes organizations and their environments, and they formulate strategies for leading diverse groups through technological change.

**LINGUISTICS (LING)****LING 3010 Greek and Latin Etymology (1)**

Origin and derivation of words from Greek and Latin stems most frequently found in the English language; exercises and drills to increase vocabulary; no foreign language prerequisite.

**LING 3030 International Learning Community (1)**

*Prerequisite: Students must be housed in the International Learning Community Residence Hall*

Students will engage in cross-cultural and linguistic activities with other students in the classroom. Activities are related to language learning, study abroad and other international experiences. Pass/Fail grading. May be repeated for credit.

**LING 4010 History and Etymology of English (3)**

Linguistic and historical development of the English language; origin and derivation of words from Greek and Latin stems most frequently found in the English language; exercises and drills to increase vocabulary.

**LING 4020 History of American English (3)**

The diachronic evolution of American English from World War II to the present. The focus is also on language awareness in standard English, prejudice and discrimination in language usage, cultural diversity, gender, politics, law, and in such topics as euphemism, taboo, censorship, media, and advertising.

**LING 4040 Structure and Dialects of American English (3)**

History and development of the science of descriptive linguistics, including consideration of its application to the teaching of English; an overview of American dialects with close attention to proper use of the International Phonetics Alphabet.

**LING 4050 English Grammar and Usage (3)**

Fundamentals of predication: verbs, verbal clauses, nouns, pronouns, and terminology. Style and usage of verbal expression in standard English exemplified in the national media. Emphasis on enunciation, accent, pace, phrasing, use of idiom and slang, and the more admired options of speaking.

**LING 4400 Teaching Foreign Languages in Secondary School (3)**

General and specific problems involved in teaching foreign languages at the secondary level. Activities include demonstrations in applied linguistics as well as discussions, observations, field experiences, classroom practice, and individual projects.

**MANAGEMENT (MGT)****MGT 3010 Principles of Management and Organizational Behavior (3)**

*Prerequisites: junior standing; business majors must also meet the BBA admission requirements*

The basic concepts and principles of management and organizational behavior are considered. Within the framework of planning, organizing, leading, and controlling human behavioral aspects of management are explored. Some of these are interpersonal relations, group dynamics, power and conflict, motivation, leadership, culture and organizational change.

**MGT 3110 Organization Behavior and Theory (3)**

*Prerequisite: MGT 3010*

An analysis of individual, interpersonal, and group behavior within organizations, as well as the interplay of human, technological, structural, cultural, and environmental factors for the purpose of relating them to the practice of management.

**MGT 3210 Human Resource Management (3)**

*Prerequisite: MGT 3010*

The staffing function of the organization, including the processes and legal issues of recruitment, selection, training, development, compensation, safety, health, performance appraisal, and retention of personnel.

**MGT 3610 Entrepreneurship (3)**

*Prerequisite: MGT 3010*

An in-depth study of the entrepreneurial process. Through the development of a business plan and financial projections, the student will gain an understanding of the entrepreneurial process which is critical to success in the small business sector. Emphasis will be placed upon the start-up and the knowledge required in management, finance, and marketing to insure success in a new venture. The impact of technology and the global and diverse workforce will be examined.

**MGT 4000 Issues in Free Enterprise (3)**

*Prerequisite: junior standing or admission to the BBA program*

Special topics in the area of free enterprise; topics may vary from time to time according to the specialty of the Chair of Excellence in Free Enterprise.

**MGT 4010 The Evolution of Management Thought (3)**

The development of management theories and practices during the twentieth century. Emphasis will be placed on developing an understanding of the primary management schools of thought and their impact upon the modern workplace. The influence of societal forces and world events on the evolution of management thought and principles will also be examined.

**MGT 4110 International Management (3)**

*Prerequisites: MGT 3010, junior standing*

A critical investigation of cultural aspects of living and engaging in business in non-U.S. locations. Major topics include individual and group behavior within the cultures, environments, and infrastructures of various countries in which the increasing globalization of business enterprise requires sensitivity and adaptation of Americans in business. Term paper required.

**MGT 4810 Strategic Management (3)**

*Prerequisites: senior standing and completion of BLAW 3300, MGT 3010, MKT 3010, FIN 3010, QM 3110*

Capstone course encompassing analysis of the dynamic interplay of threats and opportunities in corporations' external environments with strengths and weaknesses in corporations' internal environments that affect corporate decision making about long-term performance. Teamwork, written reports, and team presentation may be required. Analytical conclusions to be supported with approved sources.

**MGT 490A, B, C Special Problems in Management (1, 2, 3)**

*Prerequisites: MGT 3010, senior standing, and permission of instructor*

Application of the scientific method to business problems which are of interest to both faculty and students, and are academically relevant.

**MANAGEMENT INFORMATION SYSTEMS (MIS)****MIS 1200 Business Information Technology (3)**

Use of computers to solve business problems and hands-on experience with computer hardware and system and analytical software applications.

**MIS 4100 Management Information Systems (3)**

*Prerequisite: admission to the BBA program*

Course focuses on the management and effective use of information resources by organizations and individuals in support of decision making. Topics include data communications, system specification and purchase, system development and documentation, and the effects of technological change on individuals and organizations.

**MARKETING (MKT)****MKT 3010 Principles of Marketing (3)**

*Prerequisites: junior standing; business majors must also meet the BBA admission requirement*

A critical survey of functions, principles, processes, institutions, and trends involved in the process of organized exchange. The strategic manipulation of product, distribution price, and promotional variables is emphasized relative to identified market needs, market satisfaction, and product positioning. Relationship marketing is emphasized.

**MKT 3110 Salesmanship (3)**

*Prerequisite: MKT 3010*

An in-depth examination and study of the selling process. Both the theory and practical applications of selling skills will be examined and discussed. The student will have the opportunity to learn the basic skills of prospecting, developing a sales presentation, trial closes, overcoming objections, and closing. The skills learned will be applied by making a sales presentation.

## 340 Marketing (MKT)

### **MKT 3210 Retailing Management (3)**

*Prerequisite:* MKT 3010

A study of the development and present status of the retailing structure with emphasis on unit location, organization, operation, management, display, traffic flow, inventory control, distribution, and evaluation from a marketing perspective. A retail project or simulation is required.

### **MKT 3310 Sales Management (3)**

*Prerequisite:* MKT 3010

A study of the tasks and functions of the sales manager. Emphasis will be placed upon recruiting, training, motivating, and supervising a sales force. Textbook study and lectures will be supplemented by role playing in each of the emphasized areas. Students will also learn the skills necessary to develop sales forecasts, territory design, and territory management.

### **MKT 3410 International Marketing (3)**

*Prerequisite:* MKT 3010

Study of managerial marketing policies and practices of firms marketing their products and services in foreign countries. An analytical survey of institutions, functions, policies, and practices in international marketing relative to the marketing structure and environment of foreign countries. A country study is required in paper form.

### **MKT 3510 Consumer and Market Behavior (3)**

*Prerequisite:* MKT 3010

A critical study of market behavior and the social psychological aspect of the purchase act with application to marketing problems. Topics include models of consumer behavior learning, perception, attitude, personality, demographics, psychographic, and their assessment relative to marketing communication. Social and cultural influences on market behavior and exchange are emphasized.

### **MKT 3710 Business Mapping (3)**

An in-depth examination and study of the spatial analysis of business information. Course content will consist of both the theory and practical application of geographical information systems in solving business problems. The emphasis of the course will be to develop a working knowledge of GIS software, basic cartographic principles, data sources, and a cognizance of the spatial relationship inherent in business data. Skills and knowledge obtained during the course will be refined through their application to business situations applicable to spatial analysis.

### **MKT 4000 Issues in Free Enterprise (3)**

*Prerequisite:* junior standing or admission to the BBA program

Special topics in the area of free enterprise; topics may vary from time to time according to the specialty of the Chair of Excellence in Free Enterprise.

### **MKT 4150 Industrial Marketing (3)**

*Prerequisite:* MKT 3010

Problems involved in marketing materials, equipment, services, supplies, and components to the industrial and institutional markets are discussed. Purchasing, institutional economics, pricing, promotion, distribution, and the case study method are emphasized relative to rational buying motives.

**MKT 4200 Logistics (3)**

A study of managing activities related to traffic, transportation, inventory management and control warehousing, packaging, order processing, and materials handling from a technological standpoint. Attention is placed on information systems for logistics, focusing on application to logistics management.

**MKT 4310 Advertising and Promotional Strategy (3)**

*Prerequisite:* MKT 3010

A critical evaluation of the promotional element in marketing communications relative to personal selling, advertising, sales promotion, and public relations activities. Strategic emphasis is placed on the development of the advertising plan, including objectives, budget, media selection and scheduling, creativity, and the evaluation of results via advertising research. A project is required.

**MKT 4450 Marketing Research (3)**

*Prerequisites:* MKT 3010, QM 3110

A critical study of the process, principles, and functions involved with the research process and product. Topics include research design, sampling, questionnaire design, statistical manipulation and inference, data collection, and research results preparation and presentation. Actual research projects are conducted and presented to the clients.

**MKT 4800 Marketing Management (3)**

*Prerequisites:* MKT 3010, 3210, 4310, 4450

The capstone course in marketing, emphasizing the strategic manipulation and integration of product, distribution, pricing, and promotional elements. Marketing policy is determined in a variety of product/ service/marketing situations using appropriate projects, case studies, and simulations.

**MKT 490A, B, C Special Problems in Marketing (1, 2, 3)**

*Prerequisites:* MKT 3010, *senior standing or permission of instructor*

Individual research and analysis of contemporary problems, issues and opportunities in concentrated areas of study under the guidance of a faculty member. The application of academic and theoretical constructs to specific problems and issues is emphasized.

**MATHEMATICS (MATH)****MATH 0990 Elementary Geometry (3) - (non-graduation credit)**

*Prerequisites:* *one year high-school Algebra; open only to students without Geometry credit in high school*

Designed to remove deficiency in high-school geometry. Main topics include properties, symmetry, congruency, and similarity of geometric figures; Pythagorean Theorem and right triangle relationships; areas; circles; constructions; and use of geometrical thinking in solving problems.

**MATH 1010 Mathematical Thought and Practice (3)**

*Prerequisite:* *a mathematical background equivalent to high-school Algebra I, Geometry, and Algebra II*

This course examines how different areas of mathematics explain and shape our world, as well as how we view and experience it.

## 342 Mathematics (MATH)

### **MATH 1110 Algebraic Problem Solving (3)**

*Prerequisites:* High School Algebra I, Algebra II, Geometry and ACT of 19 or above

Students will learn important aspects of functions and their representations from a problem solving viewpoint. The primary emphasis is meaningful use and interpretation of the language, symbols, and concepts of functions and their representation.

### **MATH 1410 Structure of Mathematical Systems (3)**

*Prerequisites:* a mathematical background equivalent to high-school Algebra I, Geometry, and Algebra II

Topics include the rational number system, functions, algebra, and number theory.

Emphases are problem solving, number sense, and communicating mathematics concepts with language, symbols, and concrete and pictorial representations.

### **MATH 1411 Structure of Mathematical Systems Lab (1)**

*Corequisite:* MATH 1410

Elective mathematics laboratory for students desiring extra assistance with MATH 1410. Lab instruction will focus on problem solving. Grading on a pass/fail basis.

### **MATH 1420 Structure of Mathematical Systems (3)**

*Prerequisite:* a mathematical background equivalent to high-school Algebra I, Geometry, and Algebra II

Topics include proportionality, the real number system, probability, data analysis, geometry, and measurement. Emphases are problem solving, multiplicative thinking, number sense, and communicating mathematics concepts with language, symbols, and concrete and pictorial representations. This course is reserved for students seeking elementary or middle school teaching licensure.

### **MATH 1421 Structure of Mathematical Systems Lab (1)**

*Corequisite:* MATH 1420

Elective mathematics laboratory for students desiring extra assistance with MATH 1420. Lab instruction will focus on problem solving. Grading on a pass/fail basis.

### **MATH 1530 Elements of Statistics (3)**

*Prerequisite:* a mathematical background equivalent to high-school Algebra I, Geometry, and Algebra II

Measures of central tendency and dispersion for descriptive statistics, estimations of confidence intervals for means and proportions, probability distributions, hypotheses testing, analysis of variance, the least squares method, and correlation analysis.

### **MATH 1710 Precalculus (Algebra) (3)**

*Prerequisite:* a mathematical background equivalent to high-school Algebra I, Geometry, and Algebra II

A study of functions and their representations with emphasis on the use of functions in problem solving and modeling contexts. Topics include polynomial functions, rational functions, power and root functions, inverse functions, and systems of equations.

### **MATH 1720 Precalculus (Trigonometry) (3)**

*Prerequisite:* a working knowledge of two years of high-school Algebra and Geometry or equivalent

Circular functions and their graphs, inverses, identities, and conditional equations, solutions of triangles, trigonometric form of complex numbers, DeMoivre's Theorem, exponential and logarithmic functions, parametric and polar equations.

**MATH 1730 Precalculus (4)**

*Prerequisite: a working knowledge of two years of high-school Algebra and Geometry or equivalent*

Analysis of functions and their graphs, inverse functions, exponential and logarithmic functions, theory of equations, conic sections, circular functions and their graphs, trigonometric identities and conditional equations, solutions of triangles, trigonometric form of complex numbers, DeMoivre's Theorem, parametric and polar equations. Structured primarily to prepare students for Math 1910.

**MATH 1810 Elements of Calculus (3)**

*Prerequisite: a working knowledge of two years of high-school Algebra and Geometry or equivalent*

Designed for students whose major interest is outside the physical sciences, but who require a working knowledge of calculus; limits, the derivative, differentiation techniques, applications of differentiation, the definite integral, integration techniques, and applications of integration.

**MATH 1820 Elements of Calculus (3)**

*Prerequisite: MATH 1810*

Continuation of 1810. Functions of several variables, exponential and logarithmic functions, differential equations, Taylor polynomials, infinite series, and numerical methods.

**MATH 1910 Calculus and Analytic Geometry (5)**

*Prerequisite: four years of high-school mathematics, including Trigonometry*

Elements of plane analytic geometry, functions, limits, derivatives of algebraic and trigonometric functions, integration, and applications.

**MATH 1920 Calculus and Analytic Geometry (5)**

*Prerequisite: MATH 1910*

Polar coordinates, numerical integration, infinite series, techniques of integration, improper integrals, conic sections, and transcendental functions.

**MATH 2110 Calculus (3)**

*Prerequisite: MATH 1920*

Three dimensional vectors, partial derivatives, multiple integration, and vector calculus.

**MATH 3000 Discrete Mathematics (3)**

*Prerequisites: MATH 1820, 1920 or permission of instructor*

The study of algorithms, counting methods and combinatorics, graph theory, trees, Boolean algebras, and combinatorial circuits.

**MATH 3010 Introduction to Mathematical Reasoning (3)**

*Prerequisite: MATH 1920*

Topics include inductive and deductive reasoning, symbolic logic, truth tables, set theory, and functions, with emphasis on various techniques in proving mathematical theorems; applications to geometry, number theory, algebra, analysis, and topology.

**MATH 3120 Differential Equations (3)**

*Prerequisite: MATH 2110*

First order differential equations and applications, linear equations of higher order and applications, series solutions of differential equations, Bessel functions and other classical functions obtained by series solutions.

## 344 Mathematics (MATH)

### **MATH 3130 Differential Equations (3)**

*Prerequisite:* MATH 3120

The Laplace transform and its application to differential equations, systems of linear differential equations, and numerical methods. Fourier series and the solution of boundary value problems involving partial differential equations, such as the heat equation and the wave equation.

### **MATH 3250 Statistical Methods I (3)**

*Prerequisite:* MATH 1910 or equivalent

An introduction to sampling and design methods, descriptive statistics, basic probability and probability distributions, parametric and nonparametric estimation and hypothesis tests, tests for goodness-of-fit and independence, and utilization of statistical software.

### **MATH 3260 Statistical Methods II (3)**

*Prerequisite:* MATH 3250

Analysis of variance and multiple comparisons, elementary regression models, multiple regression and the general linear model, and logistic regression.

### **MATH 3270 Experimental Design (3)**

*Prerequisite:* MATH 3250 or equivalent

Design concepts for experiments and studies: ANOVA for standard designs; analysis of covariance, and other experimental designs.

### **MATH 3450 Linear Algebra (3)**

*Prerequisite:* MATH 1920

Systems of linear equations, determinants, vector spaces with emphasis on finite-dimensional spaces, linear transformations, similarity, eigenvalues and eigenvectors, diagonalization, quadratic forms, numerical methods, and applications.

### **MATH 3630 College Geometry (3)**

*Prerequisites:* MATH 1910 and one year of high-school Geometry

An introduction to modern elementary geometry, transformational geometry, projective geometry, non- Euclidean geometry, and foundations of geometry.

### **MATH 4000 Mathematics Seminar (1)**

*Prerequisite:* MATH 1910

The course will explore connections among the various content areas, such as calculus, geometry, and statistics. It is required in the mathematics add-on endorsement program.

### **MATH 4010 History of Mathematics (3)**

*Prerequisite:* permission of instructor

Development of elementary mathematics and a study of the individuals and cultures who contributed to it.

### **MATH 4020 Geometry for Elementary and Middle School Teachers (3)**

*Prerequisites:* MATH 1410, 1420

Topics include informal, plane, and solid geometries; tessellations; transformations; measurements; deductive reasoning; constructions with dynamic geometry software and other tools; and topology and graph theory.

**MATH 4030 Problem Solving for Elementary and Middle School Teachers (3)**

*Prerequisites:* MATH 1410, 1420

Students will engage in recreational mathematics, puzzles, and games. The emphasis is to develop problem-solving skills using various tools and techniques, such as algebra, modeling, and appropriate technology.

**MATH 4100 Teaching Mathematics in Grades K-3 (3)**

*Prerequisites:* MATH 1410, 1420, and *provisional admission to Teacher Education*

Contemporary elementary school mathematics curriculum, teaching materials, and strategies for effective teaching. Field experience required.

**MATH 4110 Number Theory (3)**

*Prerequisite:* MATH 1920

Divisibility, properties of primes, analysis of congruence, quadratic residues, and Diophantine analysis.

**MATH 4150 Teaching Mathematics in Grades 4-6 (3)**

*Prerequisite:* MATH 4100

Contemporary elementary school mathematics curriculum, teaching materials, and strategies for effective teaching in grades 4-6. Field experience required.

**MATH 4160 Complex Analysis (3)**

*Prerequisite:* MATH 1920

The algebra of complex numbers, properties of analytic functions, elementary functions and mappings, complex integration, power series, residues and poles, and conformal mapping.

**MATH 4200 Mathematics Content and Pedagogy for Middle School (3)**

*Prerequisites:* MATH 3630 or both MATH 1410 and 1420; and *Milestone II status*

Using appropriate technology, students will investigate and apply concepts of algebra, geometry, trigonometry, probability, and calculus. The course will also address pedagogy in the middle school mathematics classroom. Field experience required.

**MATH 4210 Topology (3)**

*Prerequisite:* MATH 2110

Sets, metric spaces, limits, continuous maps and homeomorphisms, connectedness, and compact topological spaces.

**MATH 4240 Probability (3)**

*Prerequisite:* MATH 1920

A mathematical introduction to probability: sample spaces; probability functions; counting techniques; conditional probability; independence, total probability, and Baye's rule; discrete and continuous random variables; expectation, median, and variance; joint and conditional distributions; moment generating functions; laws of large numbers; and the central limit theorem.

**MATH 4250 Mathematical Statistics (3)**

*Prerequisite:* MATH 4240

A mathematical treatment of statistics including properties of estimators; maximum likelihood estimation; confidence intervals; hypothesis testing; analysis of categorical data; non-parametric statistics.

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### **MATH 4260 Stochastic Processes (3)**

An introduction to stochastic processes and their applications: Poisson and compound Poisson processes; discrete and continuous time Markov chains; renewal theory; random walks; and Brownian motion.

### **MATH 4270 Nonparametric Statistics (3)**

*Prerequisite:* MATH 4240

Distribution free techniques for estimation of parameters and comparison of populations.

### **MATH 4400 The Teaching of Secondary School Mathematics (3)**

*Prerequisites:* provisional admission to teacher education; 22 hours of mathematics courses in the major;

*Corequisite:* MATH 3630

Basic strategies for teaching mathematics and for evaluating mathematics teaching.

Particular emphasis will be placed upon the current literature pertaining to these strategies.

Field experience required.

### **MATH 4450 Mathematical Models (3)**

*Prerequisites:* MATH 1920, 3450

Formation of mathematical models for problems in science and business. Special emphasis on models requiring algebra, calculus, discrete methods, and probabilistic models.

### **MATH 4460 Applied Mathematics (3)**

*Prerequisites:* MATH 2110, 3120, 4450

Analysis and solution of mathematical problems arising from scientific and industrial settings, including mathematical models requiring differential equations. Writing and presentation of mathematical models and solutions.

### **MATH 4500 Modern Algebra (3)**

*Prerequisite:* MATH 1920

Relations, maps, abstract algebras, groups, rings, integral domains, order, morphisms, fields, and factorization.

### **MATH 4670 Numerical Analysis (3)**

*Prerequisites:* MATH 1920 and CSCI 1010 or permission of instructor

Digital computer programming, finite differences, numerical integration, matrix computations, numerical solutions of non-linear systems and differential equations.

### **MATH 4710 Advanced Calculus (3)**

*Prerequisite:* MATH 2110

Logic and proof, functions, cardinality, real numbers, sequences, limits, continuity, differentiation, integration, infinite series, sequences, and series of functions.

### **MATH 4810 Senior Seminar (1)**

*Prerequisite:* senior standing and permission of department chair

The threads that link concepts found in undergraduate mathematics will be discussed. The transition from student to career will be addressed. The library and other resources will be utilized to encourage a continuing development of mathematical thought.

### **MATH 4900, 490A Special Problems (3 each)**

*Prerequisite:* at least 30 hours in mathematics

Selected mathematical topics of general interest.

### **MATH 4910, 4920, 4930 Topics in Mathematics (1 each)**

*Prerequisite:* permission of instructor

Workshops of short duration which are organized around topics of current interest.

## **MEDICAL TECHNOLOGY (MTEC)**

### **MTEC 3910 Fundamentals of Hematology - Three hours lecture, three hours lab (4)**

*Prerequisite:* BIOL 2020

Study of formed elements of the blood and the mechanism of coagulation, with an emphasis on normal development and routine evaluation of blood samples together with development of basic laboratory skills. The use of statistics in the analysis and interpretation of laboratory data is introduced.

### **MTEC 3940 Fundamentals of Clinical Analysis - Three hours lecture, three hours lab (4)**

*Prerequisite:* permission of instructor

Use of proper glassware and reagents; test performance relating to procedures, instrumentation including maintenance and quality control; introduction to carbohydrate metabolism and renal function.

### **MTEC 4090 Clinical Hematology (4)**

*Prerequisites:* MTEC 4910 and acceptance into the senior year (clinical phase) of the Medical Technology Program or permission of program director

Practical experience in fundamental techniques in the clinical hematology section at an affiliated hospital laboratory. Additional practical experience with equipment maintenance, reporting and correlating results, quality control and proficiency testing, case studies, and special procedures.

### **MTEC 4290 Clinical Microbiology (4)**

*Prerequisites:* MTEC 4730 and acceptance into the senior year (clinical phase) of the Medical Technology Program or permission of program director

Practical experience in the routine isolation and identification of medically significant bacteria, fungi, and parasites, using approved methods in the clinical bacteriology/mycology/parasitology section of an affiliated hospital laboratory. Additional practical experience with equipment maintenance, reporting and correlating results, quality control and proficiency testing, case studies, and special procedures.

## 348 Medical Technology (MTEC)

### **MTEC 4390 Clinical Immunohematology/ Serology (4)**

*Prerequisites:* BIOL 3760, MTEC 4950, and acceptance into the senior year (clinical phase) of the Medical Technology Program or permission of program director

Practical experience in the current methods of blood grouping, typing, fetal screening, transfusion therapy, and serology testing in the clinical immunohematology/serology section of an affiliated hospital laboratory. Additional practical experience with equipment maintenance, reporting and correlating results, quality control and proficiency testing, case studies, and special procedures.

### **MTEC 4490 Clinical Chemistry/Urinalysis (4)**

*Prerequisites:* MTEC 3940, 4940, 4970, and acceptance into the senior year (clinical phase) of the Medical Technology Program or permission of program director

Practical experience in fundamental techniques in the routine clinical chemistry/urinalysis section at an affiliated hospital laboratory. Additional practical experience with equipment maintenance, reporting and correlating results, quality control and proficiency testing, case studies, and special procedures.

### **MTEC 4500 Research – Lab (2-4)**

*Prerequisites:* permission of instructor, minimum 2.5 CGPA, minimum 3.0 average GPA, and 16 hours of 3000-4999 level Biology and/or Chemistry

This course is offered for those who desire to pursue a special study of some medical/biological problem beyond what is possible in regular courses. The student is expected to select and plan a research problem and pursue it to some state of completion. The data are to be written in acceptable scientific form and available for a seminar. Maximum of four (4) hours.

### **MTEC 4730 Diagnostic Microbiology I -Three hours lecture, three hours lab (4)**

*Prerequisites:* BIOL 2300 or 3050 and acceptance into the senior year (clinical phase) of the Medical Technology Program or permission of program director

Advanced study of the bacterial agents which cause human disease. The processing and handling of clinical specimens with emphasis on state of the art isolation and identification of pathogenic bacteria is included. The theory and laboratory practice in clinical serology used in diagnosis of infectious disease is also emphasized (including ASO, CRP, RPR, ELISA, and IF).

### **MTEC 4750 Management/Research/Education Seminar (3)**

*Prerequisite:* acceptance into the senior year (clinical phase) of the Medical Technology Program or permission of program director

Present educational terminology and techniques applied in the clinical laboratory workplace; present concepts of research design and practice and methods of evaluating clinical laboratory research; present organizational, cost control, and management methods for laboratory operations; and introduce local, state, and federal regulations applicable to the clinical laboratory.

### **MTEC 4900 Clinical Phlebotomy (1)**

*Prerequisites:* MTEC 4910, 4940, and acceptance into the senior year (clinical phase) of the Medical Technology Program or permission of program director

Practical experience in fundamental techniques in the routine clinical phlebotomy section at an affiliated hospital laboratory. Additional practical experience with universal safety precautions, specimen collection, specimen processing, and specimen accessioning.

### **MTEC 4910 Hematology - Three hours lecture, three hours lab (4)**

*Prerequisite: acceptance into the senior year (clinical phase) of the Medical Technology Program or permission of program director*

The study of human blood with emphasis on anemia, leukemia, special stains and tests, enzyme deficiencies, cellular and humoral immunity, autoimmune disorders, genetic abnormalities, vascular and biochemical coagulation, and associated disorders. Discussion of physical and cellular aspects of body fluids, microscopic examination, specimen collection, and handling of transudates, exudates, and other body fluids.

### **MTEC 4940 Clinical Analysis I - Three hours lecture, three hours lab (4)**

*Prerequisite: acceptance into the senior year (clinical phase) of the Medical Technology Program, or permission of program director, or permission of instructor*

Study of plasma proteins, enzymes, liver, kidney, and cardiac function, with emphasis on clinical laboratory testing used in diagnosis of pathological states associated with the above. Significance of abnormal test results and correlation with pathological state will be emphasized.

### **MTEC 4950 Immunohematology - Two hours lecture, four hours lab (4)**

*Prerequisites: MTEC 4910 and acceptance into the senior year (clinical phase) of the Medical Technology Program or permission of program director*

The immunological aspects of erythrocytes and other cells in the context of blood grouping systems, donor selection, specimen collection, processing, component preparation, compatibility testing, and transfusions. HLA systems, adverse reactions, and data management are covered.

### **MTEC 4970 Clinical Analysis II - Three hours lecture, three hours lab (4)**

*Prerequisites: MTEC 4940 and acceptance into the senior year (clinical phase) of the Medical Technology Program or permission of program director*

The study of lipoproteins, electrolytes, blood gases and the chemical, physical, and microscopic examination of urine. Endocrinology, toxicology, therapeutic drug monitoring, tumor markers, immunochemical methods, and molecular diagnostics will be introduced. Clinical laboratory testing, clinical significance of test results, and correlation of results with pathological states will be emphasized.

### **MTEC 4980 Diagnostic Microbiology II - Three hours lecture, three hours lab (4)**

*Prerequisites: Acceptance into the senior year (clinical phase) of the Medical Technology Program or permission of program director*

Introduction of the fundamental techniques used in the isolation, identification, and recovery of medically important mycobacteria, fungi, parasites, and viruses. Emphasis is also placed on the host/microbial interaction and response. The theory and laboratory practice in clinical serology (of the above organisms) used in the diagnosis of infectious disease is also covered.

## 350 Military Science and Leadership (MSL)

### MILITARY SCIENCE AND LEADERSHIP (MSL)

#### **MSL 1000 The Army Physical Fitness Program (1)**

Physical Education activity course open to all University students

Enables students to develop an understanding of the "total fitness" concept in order to live a more healthy and meaningful life. Increases physical awareness and personal fitness level measured through strength, muscle endurance, and cardio respiratory endurance.

#### **MSL 1010 Leadership and Management Skills I - Two hours lecture, two hours lab (2)**

Time management; organizational and planning skills; and the recognition, understanding, and development of leadership abilities for the undergraduate. Introduction to the military, including rappelling, history, and traditions of the Armed Forces; contemporary issues facing today's Army; and introduction to Army weapons. Taken with MSL 101L. No service obligation incurred.

#### **MSL 1020 Leadership and Management Skills II - Two hours lecture, two hours lab (2)**

Basic military skills and knowledge to include leadership; drill and ceremonies; rappelling and mountaineering; introduction to the role, organization, and branches of the U.S. Army; introduction to first aid measures; and introduction to military decision-making process. Taken with MSL 102L. No service obligation incurred.

#### **MSL 2010 Introduction to Tactical Skills I - Two hours lecture, two hours lab (2)**

*Prerequisites:* MSL 1010, 1020 or permission of instructor

Basic military skills and knowledge to include rifle marksmanship, firing the M-16 rifle; instruction on the principles of leadership; and customs and traditions of the service. Taken with MSL 201L. No service obligation incurred.

#### **MSL 2020 Introduction to Tactical Skills II - Two hours lecture, two hours lab (2)**

*Prerequisites:* MSL 1010, 1020 or permission of instructor

Introduction to basic tactical skills such as map reading, land navigation, and orienteering. Topics covered include basic first aid, tactical communications, introduction to tactics, and leadership. Taken with MSL 202L. No service obligation incurred.

#### **MSL 2030 Leaders Training Course (3)**

Consists of 28 days (224 hours) of instruction on the principles of leadership, teamwork, drill and ceremonies; tactics; a familiarization with the basic units in the Army; practical application of the principles of patrolling; physical training; weapons familiarization and marksmanship. Qualified students may be awarded a two-year scholarship, undergraduate or graduate level.

#### **MSL 3010 Tactical Leadership I - Three hours lecture, two hours lab (3)**

*Prerequisites:* MSL 1010, 1020, 2010, 2020 (or just 2030 in lieu of MSL 1010, 1020, 2010, 2020)

Principles and skills to include: advanced map reading, land navigation, and leadership. Topics include branches of the Army first aid, hygiene, radio and communication procedures. Introduction to small unit tactics. Physical fitness is highly emphasized. Designed to prepare the student for advanced camp and future service as an officer. Taken with MSL 301L.

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### **MSL 3020 Tactical Leadership II - Three hours lecture, two hours lab (3)**

*Prerequisite:* MSL 3010

Advanced small unit tactics to include basic principles of patrolling. A study of command and staff functions, light infantry organization, weapons, principles of war, troop leading procedures, and combat orders. An analysis of leadership techniques and successful combat leadership. Physical fitness is highly emphasized. Designed to prepare the student for advanced camp and future service as an officer. Taken with MSL 302L.

### **MSL 3040 Leadership Development and Assessment Course (4)**

*Prerequisites:* MSL 3010, 3020

Commissioning requirements for all cadets. Consisting of five weeks (264 hours) of summer training instruction on the advanced techniques of leadership in small units; exercises in garrison and tactical operations in the field; physical training and conditioning; weapons qualifications; and orientation on combat arms team operations.

### **MSL 3050 Military Leadership Internship/Cadet Troop-Leading Training (CTLT) (3)**

*Prerequisites:* MSL 3010, 301L, 3020, 302L

The internship consists of observation and participation in serving and leading in an active duty Army unit. The student will do all unit training while serving as an Army officer candidate for 240-300 contact hours in the field. This blends classroom theory and practical work experience.

### **MSL 4010 Advanced Military Skills/ Knowledge I - Three hours lecture, two hours lab (3)**

*Prerequisite:* MSL 3020

Leadership and management instruction designed to prepare the student for commissioning, the officer basic course, and first assignment. Course includes preparation of accession packets; Army writing style; preparation of after-action reports; briefings, plans, and orders; preparation and conduct of meetings; and the Army personnel, intelligence, training, and logistics systems. Taken with MSL 401L.

### **MSL 4020 Advanced Military Skills/ Knowledge II - Three hours lecture, two hours lab (3)**

*Prerequisite:* MSL 4010

Leadership and management instruction designed to prepare the student for commissioning, the officer basic course, and first assignment. Course includes military law and justice; role of the noncommissioned officer; customs and traditions of the service; and fundamentals of the military profession (leadership and ethics). Physical fitness is highly emphasized. Taken with MSL 402L.

### **MSL 4030 Military Leadership Seminar - Three hours lecture, two hours lab (3)**

*Prerequisite:* advanced course enrollment

Study of leadership techniques and theory through historical case studies, contemporary writings, and a performance-based program. An overview of U.S. military history gives the cadet an appreciation of U.S. armed forces heritage.

## 352 Military Science and Leadership (MSL)

### **MSL 4040 Military Leadership Seminar - Three hours lecture, two hours lab (3)**

*Prerequisite: advanced course enrollment*

Leadership techniques and theory through historical case studies, contemporary writings, and a performance-based program. Designed to assist the student in making the transition from cadet to officer; to familiarize him/her with the challenges to be faced after commissioning.

## MUSIC (MUS)

### **MUS 1030 Music Appreciation (3)**

*(course renumbered from MUS 2000)*

An introductory course designed to help create an awareness of the contribution which music can make toward the enrichment of living.

### **MUS 1040, 1050 Introduction to Music Theory (3 each)**

Basic fundamentals of music theory for students who need preparation for MUS 1180 (Music Theory I). The basics of notation, scales, meters, intervals, and chords will be emphasized. This class will be required for students who did not pass the diagnostic exam for Music Theory I.

### **MUS 1060 Recital Attendance**

Full-time music majors are required to attend 15 approved recitals and concerts each semester. Grading on a pass/fail basis.

### **MUS 1160, 1170 Class Piano (1 each) - Two periods**

Group instruction for music majors. The course develops basic reading and keyboard technique. Students work toward completion of the scale, harmonization, and repertoire portions of the piano proficiency exam.

### **MUS 1210 Beginning Guitar (1) - Two periods**

*Prerequisite: MUS 1160*

Group instruction for those who have had no previous guitar experience. The course will provide an introduction to the technique and classical literature of the guitar. These courses must be taken in sequence.

### **MUS 1250 Class Voice (1) - Two periods**

Group instruction in the fundamental processes of good singing-breathing, tone production, and diction.

### **MUS 1350, 3350\* Orchestra (1 each) - Three periods**

Open to all students with the permission of instructor.

### **MUS 1500, 3500\* Choir (1 each) - Three periods**

Open to all students with the permission of the instructor.

### **MUS 1600, 3600\* Symphonic Band (1 each) - Three periods**

Open to all students with the permission of the instructor.

**MUS 1610, 3610\* Pep-Lab Band (1 each) - Three periods**

Open to all students with the permission of instructor.

**MUS 1630, 3630\* Marching Band (1 each)**

A performing organization functioning during the Fall semester relative to football games, parades, and contest exhibitions.

**MUS 1700, 3700\* Accompanying (1 each)**

Experiences for pianists and guitarists in accompanying various solo music.

**MUS 1712, 3712\* String Quartet (1 each)****MUS 1713, 3713\* Trio (1 each)****MUS 1714, 3714\* Flute Choir (1 each)****MUS 1715, 3715\* Woodwind Quintet (1 each)****MUS 1716, 3716\* Double Reed Ensemble (1 each)****MUS 1717, 3717\* Saxophone Ensemble (1 each)****MUS 1718, 3718\* Woodwind Trio (1 each)****MUS 1719, 3719\* Trumpet Ensemble (1 each)****MUS 1721, 3721\* Brass Quintet (1 each)****MUS 1722, 3722\* Honors Brass Quintet (1 each)****MUS 1723, 3723\* Trombone Choir (1 each)****MUS 1724, 3724\* Horn Choir (1 each)****MUS 1760, 3760\* Clarinet Choir (1 each) - Three periods**

Open to any student with permission of instructor.

**MUS 1180 Music Theory I (3) - Fall semester only****MUS 1190 Music Theory II (3) - Spring semester only**

*Prerequisite:* MUS 1180

Development of reading and hearing skills; study of notations, scales, meters, intervals, and chords, beginning study of melody and harmony. These courses must be taken sequentially.

**MUS 1185 Aural Skills I (1) - Fall semester only****MUS 1195 Aural Skills II (1) - Spring semester only**

*Prerequisite:* MUS 1185

Students will cover basic ear training and sight singing, interval and chord identification, and melodic dictation. These courses must be taken sequentially.

**MUS 1910, 3910\* Chamber Singers (1 each) - Three periods**

Open to any student by audition.

**MUS 1920, 3920\* Brass Choir (1 each) - Three periods**

Open to all students with the permission of instructor.

**MUS 1930, 3930\* Jazz Band (1 each) - Three periods**

Open to all students with the permission of instructor.

**MUS 1940, 3940\* Opera Workshop (1 each) - Three periods**

A realistic laboratory approach to the selection and presentation of opera. Open to any person interested in any phase of opera production. Public performances of opera will be given when feasible.

## 354 Music (MUS)

### **MUS 1970 Introduction to Music Literature (3)**

A course which introduces beginning music majors to a broad spectrum of musical styles and types, old and new, classical and popular, in the West and in selected non-Western cultures.

### **MUS 1980, 3980\* Percussion Ensemble (1 each) - Three periods**

Open to all students with the permission of instructor.

### **MUS 1990, 3990\* Guitar Ensemble (1 each) - Three periods**

Open to all students with the permission of the instructor.

### **MUS 2030 World Music (3)**

Exposes non-music majors to the varied functions and forms music has in culture, with particular emphasis on non-Western types. The study of traditional music and contemporary indigenous music; musical fusions created and used by a variety of cultures are points of entry for exploring and understanding societies highly differentiated from our own.

### **MUS 2180 Music Theory III (3) - Fall semester only**

*Prerequisites:* MUS 1190

### **MUS 2190 Music Theory IV (3) - Spring semester only**

*Prerequisites:* MUS 2180

Study of harmony and voice leading; basic chromatic harmony; 16th and 18th century counterpoint; 18th century form and analysis; development of analytical and compositional skills. Continued development of reading and hearing skills. These courses must be taken sequentially.

### **MUS 2185 Aural Skills III (1) - Fall semester only**

*Prerequisites:* MUS 1195

### **MUS 2195 Aural Skills IV (1) - Spring semester only**

*Prerequisites:* MUS 2185

Students will cover intermediate ear training and sight singing, interval and chord identification, and melodic dictation. These courses must be taken sequentially.

### **MUS 2240 Foundations of Music Education (3)**

*Prerequisite:* MUS 1180

Addresses many of the State Department of Education competencies including curriculum, musical assessment, and managerial competencies necessary for the 21st-century music teacher. A history of music in education and various philosophies of education will be examined. Four (4) hours of field experience will be required.

### **MUS 3010 Music History (3) - Fall semester only**

*Prerequisites:* MUS 1970

### **MUS 3020 Music History (3) - Spring semester only**

*Prerequisites:* MUS 3010

A historical survey of the development of music from Greek civilization to the present day. These courses must be taken sequentially.

### **MUS 3140 Introduction to Jazz Harmony (2)**

*Prerequisite:* MUS 2120, 2190

Spelling and analysis of chords and the creation of chord scales characteristic of jazz. Class time will be used to analyze and practice material created by established jazz artists.

**MUS 3141 Jazz Harmony Performance (1)**

This course extends the Intro to Jazz Harmony course providing a lab experience, with either a live or recorded rhythm section performing in the jazz style, allowing the students to improve their improvisational skills in a controlled environment and apply skills discussed in previous course. Open to all students with the permission of the instructor.

**MUS 3160 Introduction to Music Technology (3)**

*Prerequisite: music majors and minors or by permission of instructor*

A practical introduction to current music technology and its application as a tool of composition, education and performance. A passing grade in this course fulfills the University computer literacy requirement and music education instructional technology requirement.

**MUS 3252 Secondary General Music and Humanities (1)**

*Prerequisite: MUS 2240, EDUC 3070*

Methods, materials, techniques, and strategies for teaching musical and humanities concepts and content for grades 6-12. A four-hour field experience is required.

**MUS 3255 General Music Methods (2)**

*Prerequisite: MUS 2240, EDUC 3070*

General music techniques and practices, repertoire, instruments, aural skills, assessment and managerial techniques, as well as strategies for teaching culturally diverse children in the elementary and middle school music classroom will be covered. Four (4) hours of field experience will be required.

**MUS 3800 Basic Conducting (2)**

Elementary theory and practice of conducting. Basic beat patterns, subdivisions, beat character, and basic score reading.

**MUS 3810 Choral Conducting (2) - Three periods**

*Prerequisite: MUS 3800*

The theory and practice of choral conducting including expressive gestures, score preparation, asymmetrical beat patterns, establishing proper mood, and interpretation based on an understanding of historical style periods. Functional knowledge of string, wind, and percussion instruments.

**MUS 3820 Instrumental Conducting (2) - Three periods**

*Prerequisite: MUS 3800*

Problems of instrumental balance, style, intonation, phrasing, dynamics, and tone quality are considered. Additional factors considered include score preparation, transposition, proper rehearsal techniques, and an understanding of musical terms and symbols and their proper interpretation within the context of the musical score.

**MUS 3860 Guitar Pedagogy (3)**

Survey of pedagogical resources and methods for the classical guitar.

**MUS 3890 Brass Group Instruction (2) - Three periods**

Acquisition of a working knowledge of the brass-wind instruments through study of their mechanical operation and performance techniques; elementary performance experiences.

## 356 Music (MUS)

### **MUS 3900 Percussion Group Instruction (2) - Three periods**

Acquisition of a working knowledge of the percussion instruments through study of their mechanical operation and performance techniques; elementary performance experiences.

### **MUS 4110 Music Analysis (3) - Fall semester only**

*Prerequisite:* MUS 2120 or 2190

### **MUS 4120 Music Analysis (3) - Spring semester only**

*Prerequisite:* MUS 4110

Development of analytical skills for music written from 1820 to the present. Analytical approaches covering works from the early and late Romantic, Impressionist, Expressionist periods; study and analysis of serial and post-World War II compositional styles. These courses must be taken sequentially.

### **MUS 4240 Marching Band Techniques (3)**

Planning field shows for the marching band; charting, dance steps, parades, routines, and scoring for outdoor playing.

### **MUS 4260 Materials and Techniques for Instrumental Instruction (3)**

A survey of study and solo material for all instruments, singly and in small and large ensembles. Problems in individual and class instruction considered.

### **MUS 4270 Vocal Pedagogy (3)**

Widely accepted methods of solo vocal instruction and problems encountered in vocal pedagogy. This course is primarily concerned with the development of the young singing voice.

### **MUS 4280 Piano Pedagogy (3)**

Techniques in teaching piano by the class method; materials and methods for private instruction.

### **MUS 4310 Survey of Piano Literature (3)**

An historical survey of the contributive elements, stylistic characteristics, form, and keyboard techniques from the 16th century to the 20th century. Intended primarily for piano majors; open to others with the permission of the instructor.

### **MUS 4320 Guitar Literature (3)**

*Prerequisite:* guitar major or permission of instructor

Survey of guitar repertoire, literature, and associated performance practices from the Renaissance to the present.

### **MUS 4330 Music Before 1750 (3)**

*Prerequisite:* MUS 3010

Repertoires of Medieval, Renaissance, and Baroque music; development of methods for structural analysis and the critical appraisal of style change; study of individual pieces representing the major repertoires; and study of notation, theory, and performance practice.

### **MUS 4340 Music from 1750 to 1900 (3)**

*Prerequisite:* MUS 3020

Repertoires of Classical and Romantic music; structural and style-critical analysis of individual pieces representing the major repertoires of the period.

**MUS 4350 Music After 1900 (3)**

*Prerequisite:* MUS 3020

Repertoires of the Modern period; development of methods and strategies for structural and style-critical analysis; study of aesthetic and theoretical issues; study of individual pieces representing the major repertoires.

**MUS 4370 Art Song Literature (3)**

Solo vocal literature from the 17th century to the present, including French, German, British, and American repertoire.

**MUS 4380 Choral Techniques (3)**

Problems of chorus and choral instruction with the emphasis on organization, rehearsal, diction, intonation, tone quality, balance, blend, and style. Deals specifically with choral music in the secondary school.

**MUS 4390 Choral Literature (3)**

Choral music from the 16th century to the present with emphasis on the major compositions, including a cappella works and extended works with chorus and orchestra.

**MUS 4420 Symphonic Literature (3)**

*Prerequisites:* MUS 3010, 3020

Repertoire of the symphony orchestra from its origins around 1750 to the present day.

**MUS 4430 Chamber Music Literature (3)**

*Prerequisites:* MUS 3010, 3020

Chamber music repertoire from the 18th century to the present day.

**MUS 4450 Opera Literature (3)**

*Prerequisites:* MUS 1970

Development of opera from its beginning in the late 16th century to the present.

**MUS 4460 Music of Many Cultures (3)**

*Prerequisites:* MUS 1970 or permission of instructor

The study of folk and traditional music from North and South America, Asia, Australia, Africa, and Europe. Music students' training in classical Western music will be used as a point of departure for developing and applying critical and analytical skills to non-Western music.

**MUS 4522 Italian Diction for Singers (1) - Two periods**

Fundamentals of correct pronunciation of the language for singing, speaking, and the international phonetic alphabet.

**MUS 4523 German Diction for Singers (1) - Two periods**

Fundamentals of correct pronunciation of the language for singing, speaking, and the international phonetic alphabet.

**MUS 4524 French Diction for Singers (1) - Two periods**

Fundamentals of correct pronunciation of the language for singing, speaking, and the international phonetic alphabet.

## 358 Music (MUS)

### **MUS 4550 Music for the Band (3)**

Development of music for the band; analysis of representative works.

### **MUS 4790 Flute/Double Reed Group Instruction (1) - Two periods**

Practical playing experience and instruction in methods of tone production, fingering, and care of the double reed, and non-reed woodwind instruments.

### **MUS 4800 Clarinet/Saxophone Group Instruction (1) - Two periods**

Practical playing experience and instruction in methods of tone production, fingering, and care of the double reed, and non-reed woodwind instruments.

### **MUS 4810 Orchestration (2)**

*Prerequisite:* MUS 2190

Arranging and transcribing for instruments; basic ranges and transpositions; sonorities of individual instruments and their combinations.

### **MUS 4890 String Group Instruction (2) - Three periods**

Acquisition of a working knowledge of the violin, viola, cello, and bass viol through practical playing experience, emphasizing position, fingering, and bowing problems; may be repeated for credit.

## NURSING (NURS)

### **NURS 2000 Women's Health in Today's World (3)**

*Prerequisite:* admission to the University

Focuses on women's health issues across the life span, with specific emphasis on health promotion and self-care, women and the health-care system, diversity and health issues, and influence strategies for change. The course will provide essential information needed to build a strong knowledge base from which women's health concerns can be addressed.

### **NURS 2010 Concepts of Self-Care (3)**

*Prerequisite:* admission to the B.S.N. Program

Links concepts and theories from arts and sciences with concepts and theories for nurse agency.

### **NURS 2020 Assessment of Self-Care Requisites (3)**

*Prerequisite:* admission to the B.S.N. Program; *Corequisite:* NURS 2021

Prepares the student to assess universal, developmental, and health deviation self-care requisites.

### **NURS 2021 Assessment of Self-Care Requisites Clinical (1)**

*Corequisite:* NURS 2020

Clinical lab.

### **NURS 2030 Introduction to Nursing Agency (4)**

*Prerequisite:* admission to the B.S.N. Program; *Corequisite:* NURS 2031 (4)

Includes concepts, knowledge, and skills fundamental to understanding the social, interpersonal, and technological components of nursing practice.

**NURS 2031 Introduction to Nursing Agency Clinical (4)**

*Corequisite:* NURS 2030

Includes math components, skills clinical lab, and clinical experience.

**NURS 2040 Pharmacology for Self-Care (1)**

*Prerequisite:* admission to the B.S.N. Program or consent of program director

Provides the basis for study of pharmacology principles. Includes safe dosage calculation and intravenous medication delivery, including fluid and electrolyte imbalances. Prepares the beginning nursing student for future pharmacology courses in the nursing program.

**NURS 3010 Concepts of Self-Care (3)**

*Prerequisites:* NURS 2020, 2030, 2040

Links concepts and theories from arts and sciences with concepts and theories for nurse agency.

**NURS 3020 Psychopharmacology (1)**

*Prerequisite:* completion of sophomore-level nursing courses or consent of program director

Integrates the principles of psychopharmacology in relation to the neurological and biological effects of chemical imbalances on human behavior. Includes knowledge of safe and effective clinical management of clients taking psychotropic medications.

**NURS 3050 Nursing Informatics (1)**

*Prerequisite:* admission to the B.S.N. Program

This course provides students with an overview of nursing informatics and the theoretical foundation for information management within the health-care setting. Students will explore technological advances related to health-care delivery and a variety of information systems.

**NURS 3060 Nursing Systems Related to Mental Health (4)**

*Prerequisites:* completion of sophomore-level nursing courses; *Corequisite:* NURS 3061 (4)

Application of self-care theory and the nursing process in a variety of mental health settings.

**NURS 3061 Nursing Systems Related to Mental Health Clinical (4)**

*Corequisite:* NURS 3060

Clinical lab.

**NURS 3070 Nursing Systems Related to Adults I (4)**

*Prerequisites:* completion of sophomore-level nursing courses; *Corequisite:* NURS 3071 (4)

Application of the nursing process in the care of adults with self-care deficits and therapeutic self-care demands in a structured setting. Includes four (4) student credit hours of clinical.

**NURS 3071 Nursing Systems Related to Adults I Clinical (4)**

*Corequisite:* NURS 3070 (4)

Clinical lab.

**NURS 3080 Life-Span Pharmacology (3)**

*Prerequisites:* completion of sophomore-level nursing courses or permission of program director

Integrates the principles of pharmacology and pathophysiology for clients across the life span. Emphasizes pharmacotherapeutics for disorders across the life span.

## 360 Nursing (NURS)

### **NURS 3120 Assessment of Self-care Requisites (3, 1)**

*Prerequisites:* admission to the R.N.-B.S.N. track; *Corequisite:* NURS 3221 (1)

Prepares the student to assess universal, developmental, and health deviation self-care requisites. Includes one (1) student credit hour of lab.

### **NURS 3150 Nursing Informatics (1)**

*Prerequisites:* admission to the R.N.-B.S.N. track

This course provides students with an overview of nursing informatics and the theoretical foundation for information management within the health-care setting. Students will explore technological advances related to health-care delivery and a variety of information systems.

### **NURS 3180 Pharmacology of Self-Care (2)**

*Prerequisites:* admission to the R.N.-B.S.N. track

Integrates the principles of pharmacology and pathophysiology for clients across the life span and principles of psychopharmacology in relation to the neurological and biological effects of chemical imbalances on human behavior.

### **NURS 3220 Child Health Promotion (2)**

*Prerequisites:* completion of sophomore-level nursing courses

Prepares the student to apply knowledge of development and health promotion while caring for infants, children, and adolescents. Emphasizes health teaching.

### **NURS 4000 Preceptor Experience (2)**

*Prerequisite:* completion of all 2000 and 3000 nursing courses and approval of School of Nursing

An elective course that offers refinement of clinical skills, organizational principles, and care under the supervision of Registered Nurse preceptors at Vanderbilt University Medical Center and the Austin Peay School of Nursing faculty. This course is offered only in the summer semester for current nursing students who have completed all 2000- and 3000-level nursing courses. Space is limited, and enrollment must be approved by the School of Nursing. 280 Clinical Hours.

### **NURS 4010 Introduction of Research for the Nursing Agency (3)**

*Prerequisite:* completion of junior-level nursing courses

Introduces the research process with emphasis on the evaluation and application of nursing research.

### **NURS 4040 Nursing Systems Related to the Childbearing Family (3)**

*Prerequisite:* completion of junior-level nursing courses; *Corequisite:* NURS 4041 (4)

Prepares the student to apply knowledge of development and assessment skills while caring for infants, children, adolescents, and the childbearing family. Emphasizes health teaching.

### **NURS 4041 Nursing Systems Related to the Childbearing Family Clinical (3)**

*Corequisite:* NURS 4040

Clinical lab.

### **NURS 4050 Nursing Agency in the Community (3)**

*Prerequisite:* completion of junior-level nursing courses; *Corequisite:* NURS 4051

Introduces the student to community health care. Provides experiences with individuals, families, and groups in the community setting.

**NURS 4051 Nursing Agency in the Community Clinical (3)**

*Corequisite:* NURS 4050

Clinical lab.

**NURS 4060 Nursing Systems Related to Adults II (4)**

*Prerequisite:* NURS 4010 may be taken concurrently and successful completion of junior nursing courses;

*Corequisite:* NURS 4061

Continued application of the nursing process in the care of adults, with self-care deficits and therapeutic self-care demands of a complex nature in a variety of settings.

**NURS 4061 Nursing Systems Related to Adults II Clinical (4)**

*Corequisite:* NURS 4060

Clinical lab.

**NURS 4070 Leadership and Management for the Nursing Agency (3)**

*Prerequisites:* completion of junior-level nursing courses; completion of 4060 is required prior to initiating;

*Corequisite:* NURS 4071 (4)

Introduces managerial and leadership issues and concepts, and helps the student apply them to the professional nurse role. Includes three (3) student credit hours of clinical.

**NURS 4071 Leadership and Management for the Nursing Agency Clinical (3)**

*Corequisite:* NURS 4070

Clinical preceptorship.

**NURS 4080 Trends and Issues for the Nursing Agency (2)**

*Prerequisite:* completion of junior-level nursing courses

Promotes sensitivity to the potential for nurse-initiated change through evaluation of current trends and Issues, impacting upon health-care delivery and the nursing profession. (This course should be taken during the semester in which the student is scheduled to graduate.)

**NURS 4100 Clinical Integration II (1)**

*Prerequisite:* This course must be taken during the semester in which the student is scheduled to graduate from the B.S.N. program.

A clinical synthesis of normal anatomy, physiology, assessment parameters, pathophysiology, and nursing assessment concepts in patients with selected illnesses. Students are guided through the steps of problem solving, prioritizing needs, determining short-term and long-term goals, anticipating therapeutic interventions, and initiating appropriate nursing care within a self-care theory framework.

**NURS 4120 Clinical Integration (3)**

*Prerequisite:* admission to the R.N.-B.S.N. track

A clinical synthesis of normal anatomy and physiology, assessment parameters, pathophysiology, and nursing assessment concepts in patients with selected illnesses. Students are guided through the steps of problem solving, prioritization of needs, determining short-term goals, anticipating therapeutic intervention, and initiating appropriate nursing care within a self-care theory framework. A one hour practicum will validate transfer of knowledge from the classroom to the clinical experience.

## 362 Philosophy (PHIL)

### PHILOSOPHY (PHIL)

#### **PHIL 1030 Introduction to Philosophy (3)**

*(course renumbered from PHIL 2000)*

The method and content of philosophy as a tool to understand the nature of humankind and the world. Primary aims will be to develop the vocabulary and the issues of the major fields of philosophy: metaphysics, epistemology, philosophy of religion, political philosophy, and ethics.

#### **PHIL 1040 Introduction to Ethics (3)**

Examines fundamental issues in ethical theory and metaethics and the application of ethical theory to contemporary moral issues in fields such as business, medicine, criminal justice, education, and environmental studies.

#### **PHIL 2200 Religion and the World (3)**

An exploration of the origins, nature, and content of religion as a source of human value, meaning, and hope. Emphasis given to the beliefs, values, symbols, and rituals of the world's major religions.

#### **PHIL 2300 Medical Ethics (3)**

Application of moral theory to major issues of biomedical ethics: the patient-professional relationship, abortion, euthanasia, allocation of medical resources, genetic engineering, and research involving human subjects.

#### **PHIL 2310 Environmental Ethics (3)**

Application of moral theory to issues and problems that arise as a result of human interaction with the environment: ecocentrism and anthropocentrism, the relative value and importance of nature, species, and individual animals, wilderness, and species preservation, and environmentalism and international justice.

#### **PHIL 2400 Business Ethics (3)**

Application of moral theory to major issues of business and management ethics: civil liberties, rights, and affirmative action; unions and distributive justice; personnel issues; health, safety, and environmental issues; capitalism; corporate and international business practice; middle management ethical dilemmas; and ethical responsibility towards consumers.

#### **PHIL 2410 Educational Ethics (3)**

Application of moral theory to education including issues in teaching, research, and service such as, paternalism, indoctrination, neutrality in evaluation, multiculturalism, academic misconduct, race, and gender issues.

#### **PHIL 3040 History of Ethics (3)**

*Prerequisite: three hours of philosophy or permission of instructor*

History of moral philosophy from the ancient to the contemporary periods, including Aristotle, Hobbes, Hume, Kant, and Mill.

#### **PHIL 3050 Religious Ethics (3)**

*Prerequisite: three hours of philosophy or permission of instructor*

A study of the moral theories of the world's religions, including Christianity, Judaism, Islam, Buddhism, and Hinduism.

**PHIL 3100 Ancient Philosophy (3)**

*Prerequisite: three hours of philosophy or permission of instructor*

History of Western philosophy from its pre-Socratic origins through Classical Greek and Hellenic thought. Emphasis is placed on the pre-Socratics, Socrates, Plato, Aristotle, the Epicureans, and the Stoics.

**PHIL 3110 Medieval Philosophy (3)**

*Prerequisite: three hours of philosophy or permission of instructor*

The Medieval worldview as a religious transformation of Greek philosophy into three cultures in conflict: Judaism, Christianity, and Islam. Emphasis is placed on Augustine, Aquinas, Maimonides, and the Muslim Aristotelians.

**PHIL 3120 Modern (15th-18th Century) Philosophy (3)**

*Prerequisite: six hours of philosophy or permission of instructor*

The history of Western philosophy from Descartes through Kant with emphasis on Continental Rationalism, British Empiricism, and Kant.

**PHIL 3130 19th and 20th Century Philosophy (3)**

*Prerequisite: six hours of philosophy or permission of instructor*

Important philosophers of the 19th century and important philosophical movements of the 20th century.

**PHIL 380A Comparative World Religions (3)**

A comparative study of world religions including Primal religions, Hinduism, Buddhism, The Jains, Sikhs, Zoroastrians, Judaism, Christianity, Islam, and the Baha'is.

**PHIL 380B Islam as a Worldview (3)**

A study of Islam that explores its history. The life of Muhammed, the Qur'an and Had'ths, the Five Pillars, basic beliefs and values, diversions of war and peace, Islamic philosophy, and the relationships among Judaism, Christianity, and Islam.

**PHIL 380C The Battle of God (3)**

An exploration of the Battle of God among the children of Abraham – Jews, Christians, and Muslims. The course examines the theologies of war and peace in the Jewish TANAKH, the Christian New Testament and the Muslim Qur'an and concludes by analyzing religious extremism in all three faiths.

**PHIL 3900 Informal, Categorical and Propositional Logic (3)**

*Prerequisites: 3 hours of PHIL or MATH 1010 or 1420 or permission of instructor*

Analysis of the nature and functions of language, recognition of arguments, and development of the tools of logic and critical reasoning such as deduction, induction, validity, the informal fallacies and categorical and propositional logic.

**PHIL 4015 War and Ethics (3)**

An exploration of the morality and warfare, including the justification of waging war and the ethical limits of its conduct. Proposed principles will be critically discussed and applied to historical cases. Content will include the perspectives of just war theory, pacifism, realism, and international law.

## 364 Philosophy (PHIL)

### **PHIL 4100 Social-Political Philosophy (3)**

*Prerequisite: six hours of philosophy or permission of instructor*

Historical and contemporary issues in social and political philosophy.

### **PHIL 4500 Philosophy of Religion (3)**

*Prerequisite: six hours of philosophy or permission of instructor*

Basic philosophical issues of religion and the religious life. The nature of religion, the relationship between faith and reason, the existence of God and the problem of evil, and the immortality of the soul will be discussed.

### **PHIL 4600 Literature and Philosophy of Existentialism (3)**

*Prerequisite: three hours of philosophy or permission of the instructor*

The literature and philosophy of existentialism from Kierkegaard to Sartre. Questions to be considered: What does it mean to be human? Is man free? What is absurdity? What is self-deception?

### **PHIL 4720 Ethical Theory**

*Prerequisite: six hours of philosophy or permission of instructor*

An examination of contemporary problems in ethical theory. Rationality of moral judgments and moral standards, the nature of moral language, moral relativism and skepticism, punishment, blame, and free will and the ought/is problem.

### **PHIL 4910 Epistemology (3)**

*Prerequisite: six hours of philosophy or permission of instructor*

Classical and contemporary readings in the theory of knowledge; the nature of knowledge, skepticism, theories of truth, concepts of evidence and rationality, and the justification of induction.

### **PHIL 490A Seminar: Philosophy (3)**

*Prerequisite: six hours of philosophy or permission of instructor*

Advanced seminar in selected topics in philosophy.

## **PHYSICAL EDUCATION ACTIVITIES (PHED)**

### **PHED 1xxx Selected Physical Education Activities (1 each)**

Provides instruction in fundamental skills and knowledge of physical or recreational skills which are popular and which are not included in the regular curricular offerings.

#### **PHED 1012 Beginning Karate**

#### **PHED 1014 Intermediate Karate**

#### **PHED 1050 Beginning Tennis**

#### **PHED 1060 Beginning Golf**

#### **PHED 1190 Aerobic Dance**

#### **PHED 1210 Weight Training**

#### **PHED 1250 Advanced Tennis**

#### **PHED 1260 Advanced Golf**

#### **PHED 1310 Physical Fitness**

**PHYSICS (PHYS)****PHYS 1005 Preparation for College and University Physics (2)**

*Prerequisites: two years of high school algebra, MATH 1110 or equivalent*

This course is designed to teach students the problem-solving skills needed for either college or university physics. The course uses math skills the students already possess and applies them to physical situations.

**PHYS 1010 Understanding the Physical World - Three hours lecture, three hours lab (4)**

*Corequisite: PHYS 1011*

Motion, energy, and properties of matter, heat, and sound. The approach is conceptual and non-mathematical. The role of physics in the understanding of everyday experiences in our technological society. Laboratory 1011 is to be taken concurrently.

**PHYS 1020 Understanding the Physical World - Three hours lecture, three hours lab (4)**

*Corequisite: PHYS 1021*

Electricity and magnetism, light, atomic and nuclear physics, and relativity. Physics 1010 is NOT a prerequisite. The approach is conceptual and non-mathematical. The role of physics in the understanding of everyday experiences in our technological society. Laboratory 1021 is to be taken concurrently.

**PHYS 1500 Computational Methods for Scientists and Engineers - Three hours lecture, three hours lab (4)**

*Corequisite: PHYS 1501*

Selected topics in calculus and vector analysis, algorithm development and basic scientific programming skills, numerical differentiation and integration. An introduction to the application of computational solutions for the differential equations of topics like projectile motion with and without air drag, simple harmonic motion (mechanical and electrical) and the simple pendulum. Physical models will be developed and experimentally tested.

**PHYS 1710 Introductory Chemistry and Physics (4) - (Same as CHEM 1710)**

Introductory integrated lab/lecture course in chemistry and physics. Included are hands-on and computer-based activities in the scientific method, astronomy, motion, energy, kinetic theory, waves and sound, atomic structure, electricity and magnetism, elements and periodic properties, chemical bonding, electrochemistry, environmental issues, and linkage to NASA via the Internet.

*College Physics (2010 and 2020) uses algebra and trigonometry. University Physics (2110 and 2120) uses calculus ideas and notation and has calculus as a Corequisite. College Physics satisfies the requirements for preprofessional students in medicine and dentistry. University Physics is taught for physics majors and minors and students in preengineering. It is recommended for mathematics or computer science majors. Some preprofessional students may be required to take the calculus-based sequence by their professional school.*

## 366 Physics (PHYS)

### **PHYS 2010 College Physics - Four hours lecture and demonstration, three hours lab (5)**

*Prerequisite:* MATH 1730 or ENGT 1200; *Corequisite:* PHYS 2011

The elements of mechanics, including physical measurement, linear and circular motion, simple harmonic motion, fluids, and heat. Applications of conservation laws to technological and biological systems are considered. Algebra is used extensively. Trigonometry and vectors are developed and used as needed.

### **PHYS 2020 College Physics - Four hours lecture and demonstration, three hours lab (5)**

*Prerequisite:* PHYS 2010; *Corequisite:* PHYS 2021

Optics, electricity and magnetism, the atom, and the nucleus.

### **PHYS 2110 University Physics - Four hours lecture and demonstration, three hours lab (5)**

*Corequisites:* MATH 1910, PHYS 2111

The same topics as covered in 2010. The mathematical level involves algebra and trigonometry and, in addition, calculus ideas, notation, and techniques.

### **PHYS 2120 University Physics - Four hours lecture and demonstration, three hours lab (5)**

*Prerequisite:* PHYS 2110; *Corequisite:* PHYS 2121

Continuation of 2110, which covers the same general topics as 2020. The mathematical level involves more use of calculus than 2110.

### **PHYS 2500 Computational Methods for Scientists and Engineers II - Three hours lecture, three hours lab (4)**

*Corequisite:* PHYS 2501

Computational solutions to differential equations (initial and boundary value problems) and their application to physical problems like physical and chaotic pendula, the Wilberforce pendulum, two-dimensional heat transfer, Laplace's equation, and diffractive optics. Physical models will be developed and experimentally tested.

### **PHYS 3005 Theoretical Methods (4)**

*Prerequisites:* PHYS 2020 or 2120, MATH 1920; *Corequisite:* MATH 2110

The theoretical techniques used for problem solving in physics. Vector calculus, complex numbers, ordinary differential equations, and matrix methods. The theoretical techniques will be applied to physical systems.

### **PHYS 3010 Intermediate Mechanics (3)**

*Prerequisite:* PHYS 3005 or permission of instructor

Kinematics and dynamics of particles in three dimensions. The mathematical level involves vector notation and equations written in differential form with the solutions to be obtained by integration and other methods.

**PHYS 3030 Electricity and Magnetism (3)**

*Prerequisite:* PHYS 3005 or MATH 2110

Electric and magnetic field theory: Coulomb's Law, Gauss' Law, Ampere's Law, Faraday's Law, Maxwell's equations for electrostatics and magnetostatics, Maxwell's equations for the dynamic case, and radiating systems and guided waves. Integral calculus and vectors are used extensively.

**PHYS 3050 Introductory Circuits - Three hours lecture, three hours lab (4)**

*Prerequisites:* PHYS 2120 and MATH 1920; *Corequisites:* PHYS 3005, 3051, MATH 2110

Ohm's and Kirchoff's laws, analysis of R, RL, and RLC circuits using mesh and nodal analysis, superposition and source of transformations, and Norton's and Thevenin's Theorems; steady state analysis of DC and AC circuits; complete solution for transient analysis of circuits.

**PHYS 3060 Advanced Circuits - Three hours lecture, three hours lab (4)**

*Prerequisites:* PHYS 3005, 3050; *Corequisite:* PHYS 3061

The study of operational amplifiers, three phase circuits, and delta and wye connections. Complex frequency analysis of circuits with sinusoidal forcing functions. The study of mutual inductance, transformers as circuit elements, and linear and ideal transformers. Trigonometric and complex Fourier analysis will be used.

**PHYS 3100 Optics - Two hours lecture, six hours lab (4)**

*Prerequisite:* PHYS 2120; *Corequisite:* PHYS 3101

Reflection and refraction, the eye, telescopes and microscopes, lasers, interference, diffraction, and polarization.

**PHYS 3550 Experimental Methods - Two hours lecture, six hours lab (4)**

*Prerequisite:* PHYS 2120; *Corequisite:* PHYS 3551

Experimental techniques used in physics and engineering, including data acquisition and control, vacuum technology, thermometry, light sources, optical components and techniques, materials and machining.

**PHYS 3700 Introduction to Modern Physics (4)**

*Prerequisite:* PHYS 2120 or permission of instructor; *Corequisite:* PHYS 3701

Relativity, quantization of radiation, matter waves, early atomic models, Schroedinger's wave mechanics, Photoelectric effect, Compton effect, Planck's constant, black body radiation, Franck-Hertz experiment, electron diffraction, atomic emission spectra, Millikan oil drop experiment, Bragg scattering,  $e/m$  ratio for the electron, and/or other modern experiments.

**PHYS 3750 Laser Physics - Three hours lecture, three hours lab (4)**

*Corequisite:* PHYS 3700

The study of lasers and nonlinear optics. Subjects may include classical optics, radiative transitions and linewidths, light absorption and stimulated emission, laser amplifiers, resonators, laser oscillators, and frequency multiplication.

**PHYS 3800 Quantum Mechanics (3)**

*Prerequisites:* PHYS 3005, 3700, 3701

Solution of quantum mechanical problems in one dimension, quantum harmonic oscillator eigenvectors and eigenvalues, Hilbert spaces, the hydrogen atom, spin, and an introduction to matrix mechanics.

## 368 Physics (PHYS)

### **PHYS 3900 Nuclear and Radiation Physics – Two hours lecture, six hours lab (4)**

*Prerequisite:* PHYS 3700; *Corequisite:* PHYS 3901

The study of nuclear structure models, nuclear reactions, elementary particles and their interactions with matter. Experiments studying the characteristics of radioactivity, radioisotopes and detection devices.

### **PHYS 4000 Computational Methods - Three hours lecture, three hours lab (4)**

*Prerequisites:* PHYS 3005, CSCI 1010 *or equivalent programming course*; *Corequisite:* PHYS 4001  
Computational techniques used for problem solving in physics. Numerical techniques for solving ordinary differential and partial differential equations, and systems of equations; analysis of data; curve fitting and spectral methods; and numerical solutions of systems of equations. Applications of these techniques to physical problems.

### **PHYS 4110 Cooperative Educational Experience**

*Prerequisites:* approval of physics advisor and prior arrangement with employer

Learning experience acquired through supervised full-time salaried employment at a national research laboratory, a research institution or university, or employment in a related industrial field. Grading on a pass/fail basis.

### **PHYS 4150 Special Topics in Physics (1)**

### **PHYS 4160 Special Topics in Physics (2)**

### **PHYS 4170 Special Topics in Physics (3)**

*Prerequisites:* six hours of upper division physics and permission of instructor

Selected topics of interest in advanced physics. Topics to be chosen by the instructor and student. May be repeated for different topics for a total of up to 15 credit hours.

### **PHYS 4151 Research Experience (1)**

### **PHYS 4161 Research Experience (2)**

### **PHYS 4171 Research Experience (3)**

*Prerequisite:* six hours of upper division physics and permission of instructor

Research activities agreed on by the student and instructor, which may emphasize lab techniques or data acquisition and analysis. Written and oral reports are required. May be repeated for a total of up to 15 credit hours.

### **PHYS 4200 Introduction to Solid State Physics (3)**

*Prerequisites:* PHYS 3010 *or* 3030; CHEM 1120; *Corequisite:* PHYS 3800

Crystal structure; x-ray diffraction; energy band theory; electric, magnetic, and thermal properties of materials; and recent developments in nanotechnology.

### **PHYS 4300 Image Processing (3)**

*Prerequisite:* PHYS 3005

An introduction to the basic techniques of digital image processing. Modern approaches to image acquisition, image enhancement, and image analysis. A significant amount of mathematics background is required since a good portion of the course deals with spatial domain and frequency domain image operators.

**PHYS 4810 Theoretical Mechanics (3)**

*Prerequisite:* PHYS 3010

Mechanics for those who expect to do graduate studies. Vector calculus, matrices, and differential equations are freely used.

**PHYS 4830 Theoretical Electricity and Magnetism (3)**

*Prerequisite:* PHYS 3030

Electromagnetic fields for those planning to continue study at the graduate level. The mathematical level is similar to that of 4810.

**PHYS 4850 Advanced Quantum Mechanics (3)**

*Prerequisite:* PHYS 3800

Quantum mechanics for those planning to continue study at the graduate level including wave and matrix mechanics.

**PHYS 4950 Independent Study in Physics (1)****PHYS 4960 Independent Study in Physics (2)****PHYS 4970 Independent Study in Physics (3)**

*Prerequisites:* six hours of upper division physics and permission of instructor

Current topics in physics. Topics to be chosen by student. Subject to be approved by instructor. May be repeated with permission of instructor.

\*Credit for PHYS 1710 may not be combined with CHEM 1010 or PHYS 1010 to fulfill the V.B. Liberal Arts core requirements.

**POLITICAL SCIENCE (POLS)****POLS 1000 Introduction to Legal Assistance and Ethics (3)**

An examination of the paralegal/legal assistant profession, including duties, employment settings, skills, standards of conduct, and ethics.

**POLS 1002 Introduction to Law (3)**

An overview of the major principles and functions of the legal system. An introduction to legal fields and the work of the legal assistant in those fields.

**POLS 1004 Torts (3)**

A study of civil wrongs for which the victim may receive compensation and the role of the legal assistant in tort litigation.

**POLS 1005 Legal Research (3)**

Legal bibliography, including codes, administrative regulations, reporters, digests, encyclopedias, citations, law reviews, and treaties.

**POLS 1006 Legal Writing (3)**

Legal writing skills including precision and clarity, legal citation and format, drafting of law office and trial memoranda, trial court briefs, appellate briefs, and abstracting depositions.

**POLS 1008 Civil Trial and Appellate Practice (3)**

Civil court procedures. Preparation and use of documents involved in the trial and appeal of civil action.

## 370 Political Science (POLS)

### **POLS 1015 Paralegal Internship (3)**

An internship working as a paralegal for a local attorney. The student will work 10 hours a week.

### **POLS 2010 American National Government (3)**

Institutions and processes of American national government, including the Constitution, federalism, civil rights and liberties, the presidency, Congress, courts, political parties, elections, public opinion, media, interest groups, and the federal administrative process.

### **POLS 2040 Introduction to Public Policy (3)**

The policy-making process with an emphasis on selected policy areas. Specific policy areas included are welfare, criminal justice, education, civil rights, energy, the environment, and regulation of the economy.

### **POLS 2070 International Politics (3)**

The system of the nation-state, power and ideology, the diplomatic process, colonialism and imperialism, regions and crises, international organization and law, war and peace, and the United States in World Affairs.

### **POLS 3000 Foundations of Political Theory (3)**

This course will introduce students to political theory via primary texts, with the main focus being on western political thought since the time of the ancient Greeks. However, some attention will be given to prominent non-Western political theorists.

### **POLS 3010 Comparative Politics (3)**

A theoretical and empirical comparison of various political processes, structures, and ideologies among selected countries in four continents (Africa, Asia, Europe, and South America) designed to identify and highlight significant causes and effects of different political models and practices.

### **POLS 3020 American Foreign Policy (3)**

The making of American foreign policy: institutions, processes, problems, and crises.

### **POLS 3040 U.S. Defense Policy (3)**

U.S. National Defense organization, policies, procedures and players, the emergence of the current policy of engagement following the cold war, and potential future threats and challenges.

### **POLS 3060 Terrorism and Counter-Terrorism (3)**

An in-depth examination of the contemporary phenomenon and problem of world terrorism. This course will focus on the world reality of terrorism and the war of counter-terrorism.

### **POLS 3070 Theories of International Relations (3)**

A systematic and rigorous study of politics among states, including an examination of the principal theories concerning international systems of the past and present.

### **POLS 3090 The United Nations (3)**

This course is designed to serve a dual purpose. Students will learn about the history, structure, and workings of the United Nations in a lecture-discussion format. Additionally, students will have the opportunity to see how the politics of the UN works through role playing.

**POLS 3110 British Politics and Government (3)**

*Prerequisite: junior standing or permission of instructor*

An examination of the evolution, traditions, institutions, processes, policies, and politics of the United Kingdom of Great Britain and Northern Ireland. The comparative perspective will be emphasized.

**POLS 3120 European Politics (3)**

*Prerequisite: junior standing or permission of instructor*

An examination of the politics, government, and unity of continental European states with an emphasis upon Germany, France, Russia, and Italy.

**POLS 3140 Latin American Politics (3)**

An examination of the politics and government of Central and South America and the Caribbean island states. An emphasis will be placed upon regional political trends along with profiles of the politics and government of certain states such as Mexico, Argentina, Brazil, Cuba, and Chile.

**POLS 3160 African Politics (3)**

The politics of sub-Saharan Africa; a comparative analysis of the behavior, participation, and structures in the various movements for the liberation of Africa. Problems relative to colonialism, East-West confrontation and internal policies are examined.

**POLS 3180 Middle East Politics (3)**

An examination of the history, culture, and politics of the Middle East. The countries covered are Turkey, Iran, Egypt, Syria, Lebanon, Saudi Arabia, Jordan, Iraq, Israel, and the Gulf States. The course also discusses Islam, religious fundamentalism in the region, and terrorism.

**POLS 3190 Russian Politics and Government (3)**

*Prerequisite: junior standing or permission of instructor*

An examination of the contemporary Russian political institutions, processes and state-society relations. The historical context and comparative analysis will be emphasized.

**POLS 3200 Politics and Government in China (3)**

*Prerequisite: junior standing or permission of instructor*

This course will examine the historical context and current issues of the Chinese political system. Special attention will be devoted to the US-Chinese economic interdependence and comparative analysis of the Communist and post-Communist political systems.

**POLS 3360 Study Abroad: Africa (6)**

Designed to provide students with a hands-on learning experience on and about African politics and culture.

**POLS 3760 Methods of Research (3)**

The nature of the scientific method and basic techniques in social science research as applied to the collection, analysis, and interpretation of social and political data.

**POLS 4010 Contemporary Political Ideas (3)**

This course examines current trends in political theory. Topics include ideologies, the liberal communitarian debate, human rights, feminism, and postmodernism. Examples are drawn from both Western and non-Western sources.

## 372 Political Science (POLS)

### **POLS 4020 The Politics of Contemporary African American Thought and Movement (3)**

An analysis of political processes, structures, organizations, opinions, and leadership from the African American perspective and African Americans having current significance.

### **POLS 4040 Women and Politics (3)**

The role of women in politics. Women and the political process, political institutions, and public policy.

### **POLS 4050 Health Care Policy in the United States (3)**

An examination of the development and current status of American health care policy, with particular attention to access, cost, health outcomes, and quality. The structures of health care policy and delivery and reform models will be covered.

### **POLS 4070 Politics in the American States (3)**

Politics at the state level focusing on legal and cultural settings, political behavior, and institutions and public policy.

### **POLS 4080 Urban Politics (3)**

Politics in urban areas with special attention to socioeconomic conditions, governmental structures, citizen participation, community power studies, metropolitan governance, and policy problems.

### **POLS 4130 Political Parties and Interest Groups (3)**

Characteristics of the political party system, and the operation of interest groups in American politics. Party organizations, voting behavior, and campaigns are emphasized along with interest group activities and strategies.

### **POLS 4170 Power, Morality, and International Relations (3)**

This course examines the influences of moral principles on international politics. Among the issues examined are human rights, just and unjust wars, arguments for and against redistributive justice on a global scale, legal and illegal migration, human trafficking, terrorism, environmental degradation, and the impact of different religions on international relations.

### **POLS 4200 The American Presidency (3)**

The roles, powers, and institutions of the American Presidency.

### **POLS 4210 Legislative Process and Behavior (3)**

Congressional elections, norms, committees, voting behavior, leadership, and legislative-executive interaction.

### **POLS 4220 Political Leadership (3)**

This course will examine the evolution and nature of political leadership at various levels, in different branches, and among the many institutions of government and politics.

### **POLS 4300 Judicial Politics and Behavior (3)**

The American judicial system: structure of the court system, police behavior, lawyers, juries, and judicial decision making.

**POLS 4310 American Constitutional Law I (3)**

*Prerequisite: upper division standing*

Using the case method, this course examines the development of constitutional law in America, to include the division and placement of national power, the structure and operation of the federal court system, judicial review, the limitations upon the use of judicial power, and the growth of federalism.

**POLS 4320 American Constitutional Law II (3)**

*Prerequisite: 4310 or permission of instructor*

Using the case method, this course examines important federal and Supreme Court decisions in the area of civil rights and civil liberties, to include fundamental rights, economic due process, eminent domain, mass media, and criminal law.

**POLS 4330 Women and the Law (3)**

Examination of how laws apply to women and when women are treated differently than men: 14th amendment, the Equal Pay Act, sexual harassment, privacy, and domestic violence.

**POLS 4340 Family Law (3)**

Examination of the legal issues involved in marriage, divorce, child custody, child support, and adoption.

**POLS 4350 Labor and Employment Law(3)**

A Political Science and Law course designed to introduce students to fundamental elements, principles, and legal rules of labor and employment/workplace law. Both Federal and State relevant laws shall be examined.

**POLS 4360 Legal Mediation and Alternative Dispute Resolution (3)**

An examination of legal mediation as an alternative to trials for settling civil disputes. There is a consideration of mediation procedures, ethical issues, and mediation as a profession.

**POLS 4370 Juvenile Law (3)**

This course is designed to provide an understanding of juvenile law. Topics covered include child abuse and neglect, juvenile criminal offenders, gangs, sexual predators, education and truancy, mental health, drug and alcohol programs, corrections, paternity, and child support.

**POLS 4400 Politics and Mass Media (3) - (Same as COMM 4400)**

The influence of the mass media on political opinions, elections, those who participate in the political arena, and public policy decisions. The uses political participants make of the mass media in shaping public opinion, conducting elections, deciding on policy issues, and the media's agenda for political coverage.

**POLS 4444 Cultural Context of Political and Social Ideas (3)**

*Prerequisite: junior or senior standing*

Capstone to integrate aspects of the Liberal Arts core with political and social concepts of freedom, justice, and equality addressed in different cultures.

## 374 Political Science (POLS)

### **POLS 4510 Communication and Public Opinion (3) - (Same as COMM 4510)**

The purpose of this course is to provide an overview of the concept of “public opinion” and to explore the relationships between communication and public opinion. An important normative goal will be to explore ways to allow media messages to contribute to a healthy civic life rather than deviate from it.

### **POLS 451A, B, C Selected Topics in Political Science (3 each)**

An examination of a selected topic by an instructor on a one-time basis.

### **POLS 453A, B, C Problems in Political Science (3 each)**

An independent study course with supervised readings and/or research projects in selected areas of political science. Open only to political science majors with permission of the department chair.

### **POLS 4540 Legislative Internship Program (15)**

Work as a staff member of the Tennessee Legislature. Open only to juniors, seniors, or graduate students selected to participate in the Tennessee Legislative Internship Program.

### **POLS 455A, B, C Government Internship (3, 6, 9)**

*Prerequisite: junior or senior standing*

Internship in the governmental process.

## **PSYCHOLOGY (PSY)**

### **PSY 1010 General Psychology (3)**

A general introduction to psychology as the scientific study of behavior and mind. Sample topics include the biological bases of behavior, sensation, and perception, learning and cognition, emotion and motivation, development, abnormal behavior, personality, and social behavior.

### **PSY 1210 Psychology of Adjustment (3)**

The study of understanding personal and social adjustment. Topics covered include the pattern of healthy development, the demands occurring in everyday life, and the nature of effective adjustment.

### **PSY 2000 Career Planning in Psychology (1)**

*Prerequisite: PSY 1010*

Provides information for the student to derive the greatest benefit from the psychology program and helps the student develop a plan to achieve his or her career aspirations.

### **PSY 2010 Statistics for the Behavioral Sciences (3)**

*Prerequisite: completion of mathematics core requirement*

A basic introduction to statistics as they are applied in the behavioral sciences. Both descriptive statistics (measure of central tendency, variability, and correlation) and inferential statistics (hypothesis testing, parametric, and nonparametric tests of significance) are covered.

**PSY 2210 Human Interaction (3)**

Directed toward helping persons establish, maintain, and improve human contacts. Focuses upon improving listening, assertiveness problem solving, and leadership skills. Skill acquisition is enhanced through role play, taping, and group experiences.

**PSY 3010 Learning and Motivation (4)**

*Prerequisites:* PSY 1010, 2010, 3180

Provides an in-depth analysis of the different principles and theories of learning and motivation with attention to animal research. Students will apply what they learn to animal subjects to gain experience working with different species and write up their results in two (2) APA-style manuscripts. When appropriate, examples from research in children, adults, and special populations will also be provided.

**PSY 3020 Physiological Psychology (4)**

*Prerequisites:* PSY 1010, 2010, 3180

An in-depth presentation of the structural and functional characteristics of the mammalian nervous system. Students will apply what they learn to animal subjects to gain experience working with different species and write their results in two (2) APA-style manuscripts. When appropriate, examples from research in children, adults, and special populations will also be provided.

**PSY 3030 Sensory Processes (4)**

*Prerequisites:* PSY 1010, 2010, 3180

An overview of the major topics in human sensation and perception. The course will focus on sensory system structure, function, and information processing. How this information explains human perceptual abilities and limitations will be discussed. This course includes both lecture and laboratory activities.

**PSY 3040 Cognitive Processes (4)**

*Prerequisites:* PSY 1010, 2010, 3180

The scientific study of basic cognitive processes. Topics include pattern recognition, attention, memory, concept formation, reasoning, problem solving, intelligence, and language. This course includes both lecture and laboratory activities.

**PSY 3100 Developmental Psychology (3)**

*Prerequisite:* PSY 1010

This course provides an overview of the empirical evidence regarding physical, cognitive, social, and emotional changes that occur from conception to death. Emphasis will be placed on understanding the various biological, environmental, and cultural influences on human development.

**PSY 3110 Child Development (3)**

*Prerequisite:* PSY 1010 or EDUC 2100

The scientific study of human development from conception through pre-adolescence. Cognitive, physical, social, emotional, and moral areas of development will be studied through the examination of empirical, conceptual, and theoretical materials. Attention will be given to child development as it occurs in the contexts of school, family, and peer environments.

## 376 Psychology (PSY)

### **PSY 3120 Adult Development (3)**

*Prerequisite:* PSY 1010

The scientific study of human development in the adult years. Attention will be given to continuity and change in intellectual, personality, and biological areas of development, and in the areas of family structure and career development.

### **PSY 3130 Introduction to Educational Psychology (3)**

*Prerequisite:* PSY 1010 or EDUC 2100

Provides prospective teachers an understanding of the way students learn and develop. The learning process, its determining conditions, and its results will be emphasized. The course will also provide an overview of child and adolescent development as it relates to student behavior.

### **PSY 3180 Research Methods (3)**

*Prerequisites:* PSY 1010, 2010

Introductory methods of psychological research are presented. An analysis of various research designs is also examined. A research proposal, following APA format, is required.

### **PSY 3200 Adolescent Development (3)**

*Prerequisite:* PSY 1010 or EDUC 2100

The scientific study of human development from preadolescence through late adolescence. Cognitive, social, emotional, and physical areas of development will be studied through examination of empirical, conceptual, and theoretical materials. Attention will be given to adolescent development as it occurs in the contexts of school, family, and peer environments.

### **PSY 3210 Psychology of Women (3)**

Examination of developmental characteristics of women, myths and stereotypes, sex roles, sexuality, lifestyles, values, achievement motivation, power, mental health, and mental disorders in women. The empirical study of the psychological issues of women will be emphasized.

### **PSY 3230 African American Psychology (3)**

This course explores historical and contemporary psychological issues concerning persons of African American descent. Issues including racial identity, gender, worldview, and the sociocultural experiences of persons of African American descent in the diaspora will be addressed. Presentation and review of psychological theories and research will be the foundation of the course.

### **PSY 3280 Tests and Measurements (3)**

*Prerequisite:* PSY 1010 or 3130

Development and use of tests will be studied. Emphasis will be given to test construction, reliability, and validity. The course provides practical experience in the development and use of instruments. Students are required to design and analyze an instrument.

### **PSY 3290 Introduction to Psychological Measurement (3)**

*Prerequisite:* PSY 2010 or MATH 1530

An introduction to theory and practice in psychological measurement. Classical and modern theories of measurement are studied. The relevance and use of current measure of personality, achievement, and aptitude are examined. Various methods of collecting psychological information are surveyed.

**PSY 3330 Social Psychology (3)**

*Prerequisites:* PSY 1010

A systematic and scientific approach to the psychological problems of social and human interactions. Topics covered: attitude, altruism, attraction, attribution, aggression, social self, social influence, social cognition, social perception, leadership, group dynamics, prejudice, discrimination, and applied social psychology.

**PSY 3340 Health Psychology (3)**

The study of the biopsychosocial approach to health and wellness. This course emphasizes the learning of skills that lead to healthy responses to stress and the enhancement of psychological resiliency. A major focus of the course will be on the practice of skills that lead to healthy interpersonal functioning of the individual in their familial and social context.

**PSY 3500 Consumer Psychology (3)**

Application of psychological theory and applied research methods to the study of consumer behavior. The psychological processes that influence consumer decision making will be addressed, including problem recognition and information search, alternative evaluation and choice behavior, and post-purchase attitudes and behavior. The antecedents and consequences of consumer satisfaction will be highlighted.

**PSY 4000 History and Systems of Psychology (3)**

*Prerequisites:* PSY 1010 and junior or senior standing

The development of psychology from the philosophical antecedents to its present status as a science and a profession. Each system of ideas which has contributed to the development of psychology will be studied and evaluated.

**PSY 4010 Death, Dying, and Bereavement (3)**

*Prerequisite:* junior or senior standing or permission of instructor

An overview of death issues from a multicultural, developmental perspective. Topics covered include changing attitudes, the American death system, death across the life span, coping, supporting caregivers, ethical/legal issues, funeral and memorialization practices.

**PSY 4050 Applied Psychopharmacology (3)**

*Prerequisite:* PSY 1010 or permission of instructor

An introduction to psychopharmacology that will examine prescription, legal and illegal drug effects on the brain and behavior, including withdrawal and abuse. Clinical, legal, and ethical aspects will also be discussed. A NIH grant proposal will also be taught and evaluated.

**PSY 4060 Group Dynamics (3)**

Analysis of the nature and origin of small groups and interaction processes. Emphasis on methodology, group development, conflict, decision making, leadership, and task performance.

**PSY 4120 Human Factors (3)**

*Prerequisites:* PSY 1010, 2010, 3180, and junior or senior standing or permission of instructor

Introduction to applied experimental psychology. The course covers human ability in the areas of perception, cognition, and motor skills and how this information is used in the design of machines, displays, software, and everyday appliances.

## 378 Psychology (PSY)

### **PSY 4140 Learning and Behavioral Disorders (3)**

*Prerequisite:* PSY 1010 or 3130

An overview of theories, characteristics, assessment, and treatment of learning disabilities and behavioral disorders. Program considerations for learning disabled and behavioral disordered children will be highlighted.

### **PSY 4150 Behavior Modification: Theories and Practice (3)**

*Prerequisite:* PSY 1010

Theories, principles, and techniques of cognitive and behavioral management for use in schools, clinics, hospitals, and agencies; emphasizes behavior management techniques.

### **PSY 4350 Psychology of Personality (3)**

*Prerequisites:* PSY 1010 and junior or senior standing

The major theories of human personality are studied with emphasis on scientific research in the area.

### **PSY 4360 Abnormal Psychology (3)**

*Prerequisites:* PSY 1010 and junior or senior standing

A consideration of various forms of psychological abnormality in terms of the settings in which they appear. Attention directed to methods of prevention and treatment. Topics covered: anxiety disorders, functional psychosis, and mental disorders with brain pathology.

### **PSY 4370 Introduction to Clinical Psychology (3)**

*Prerequisites:* PSY 4360 and junior or senior standing

Introduces students to major perspectives and practices in contemporary clinical psychology. Reviews clinical interventions in response to psychopathology; focuses on case conceptualization, specialty areas within the field, and practical issues in the professional practice of psychology in clinical settings.

### **PSY 4380 Military Psychology (3)**

*Prerequisites:* PSY 1010

This course provides a survey of the major areas in military psychology. Principal topics include: leadership training, persuasion and propaganda, human factors engineering, selection, classification and assignment, optimizing human performance under adverse conditions, ethnic diversity and gender issues, clinical and consulting activities and careers in military psychology.

### **PSY 4444 Cross-Cultural Psychology (3)**

The understanding of human behavior across cultural contexts.

### **PSY 4500 Psychology Applied to Work (3)**

Survey course covering the major topics within the field of I/O psychology, including employee selection, training, and development, performance appraisal, job analysis, leadership, work motivation, and organizational development.

### **PSY 4610, 4620, 4630, 4640, 4650, 4660, 4670, 4680 Special Topics (1-3 each)**

*Prerequisites:* PSY 1010 and permission of instructor

Advanced readings and research in selected area offered on an individual basis. Primarily for those majoring in psychology.

**PSY 4840 Honors: Research (3)**

*Prerequisites: a minimum cumulative GPA of 3.0 and permission of instructor*

This course is offered on an individual basis. Students are required to design, conduct, and report the results of an original research project. The student is responsible for identifying a faculty supervisor.

**PSY 4850 Honors: Field Experience (3)**

*Prerequisites: a minimum cumulative GPA of 3.0 and permission of instructor*

A field experience opportunity in which students work in the local community under the supervision of a professional. It provides a practical context in which the student can apply, integrate, and analyze classroom learning. The student is responsible for identifying a faculty supervisor and a potential field placement. The student, faculty supervisor, and field supervisor will develop a contract designating the academic responsibilities and field placement responsibilities.

**QUANTITATIVE METHODS (QM)****QM 2110 Business and Economic Statistics I (3)**

*Prerequisites: MATH 1110 or equivalent (at least two years of high-school algebra and advanced high-school or college-level mathematics computer literacy)*

An introduction to basic statistical concepts and techniques applied to business decision making. The topics covered include descriptive statistics, probability, sampling, statistical estimation, and testing of hypotheses.

**QM 3110 Statistics for Business and Economics (3)**

*Prerequisites: MATH 1530, junior standing or permission of instructor*

Intermediate level coverage of statistical concepts and techniques as applied to business and economic decision making. Major topics discussed will include hypothesis testing, analysis of variance, regression and correlation, time-series analysis, and nonparametric methods.

**RADIOLOGIC TECHNOLOGY (RLTN)****RLTN 2050 Medical Terminology - One hour lecture (1)**

*Prerequisite: one year freshman English*

Not open to students majoring or minoring in biology. An introduction to medical vocabulary including definition of terms, general usage, spelling, and pronunciation. Common prefixes, suffixes, word roots, combining forms, and abbreviations concerned with the health professions are stressed.

**RLTN 3000 Introduction to Radiologic Technology - Two hours lecture (2)**

Open only to majors admitted to the radiologic technology program in radiography concentration. A study of professional organizations, ethics, legal issues, radiation protection, methodology, and elementary imaging techniques.

## 380 Radiologic Technology (RLTN)

### **RLTN 3010 Patient Care and Interaction - Three hours lecture (3)**

Open only to majors admitted to the radiologic technology program in radiography concentration. A study of the physical and psychological needs of the family and patient, patient transfer techniques, interaction with the terminally ill, vital signs, administration of injections, pharmaceuticals, contrast media, IV and tube maintenance, urinary catheterization, ECG's, emergency medical situations, infectious disease process, and universal precautions.

### **RLTN 3020 Image Production and Evaluation I - Three hours lecture (3)**

*Prerequisite:* RLTN 3000

A study of factors influencing radiographic quality and conditions influencing exposures, technique charts, and artifact analysis.

### **RLTN 3030 Radiographic Procedures I - Three hours lecture, four hours lab (5)**

Open only to majors admitted to the radiologic technology program in radiography concentration. A study of radiographic procedures involving the chest, abdomen, upper and lower extremities, shoulder girdle, pelvis, and spine. Emphasis on equipment manipulation, quality assurance, quality control, evaluation of radiographs, and radiologic techniques.

### **RLTN 3040 Radiographic Image Analysis - Three hours lecture (3)**

*Prerequisite:* RLTN 3080; *Corequisite:* RLTN 3030

Open only to majors admitted to the radiologic technology program in radiography concentration. A study designed to provide a basis for analyzing radiographic images. Included are the importance of minimum imaging standards, discussion of a problem-solving technique for image evaluation and factors that affect image quality.

### **RLTN 3080 Introduction to Clinical Education - Two hours (2)**

Open only to majors admitted to the radiologic technology program in radiography concentration. Supervised clinical practice in performing radiographic procedures.

### **RLTN 3082 Clinical Education I - Two hours (2)**

*Prerequisites:* RLTN 3000, 3010, 3020, 3030, 3080

Supervised clinical practice in performing radiographic procedures.

### **RLTN 3083 Clinical Education II - Two hours (2)**

*Prerequisites:* RLTN 3000, 3010, 3020, 3030, 3082

Supervised clinical practice in performing radiographic procedures.

### **RLTN 3115 Image Production and Evaluation II - Two hours lecture, one hour lab (2)**

*Prerequisite:* RLTN 3020

A study of image qualities and image production to include radiographic qualities, production, and properties of x-rays, types of distortion, primary exposure factors, and control of scatter radiation.

### **RLTN 3116 Radiobiology and Radiation Protection - Three hours lecture (3)**

*Prerequisites:* RLTN 3000, 3010

A study of biological, chemical, and physical effects of radiation. Emphasis is placed on radiation measurement and exposure to minimize somatic and genetic effects.

### **RLTN 3117 Quality Control in Radiologic Technology - Two hours lecture (2)**

*Prerequisites:* RLTN 3000, 3010, 3020, 3030, 3115, 3116

Equipment testing, analysis of quality control data and quality assurance data, federal government guidelines, and introduction to total quality management and procedures within the discipline of radiologic technology.

### **RLTN 3140 Radiographic Procedures II - Three hours lecture, four hours lab (5)**

*Prerequisites:* RLTN 3000, 3010, 3030

A study of procedures involving vertebral column, bony thorax, skull, facial bones, mastoids, mammography, and visceral organs requiring use of contrast media.

### **RLTN 4030 Radiographic Procedures III - Three hours lecture (3)**

*Prerequisites:* RLTN 3000, 3010, 3020, 3030, 3080, 3082, 3083, 3115, 3116

A study of special procedures involving computed tomography (CT), magnetic resonance imaging (MRI), vascular studies, nuclear medicine technology (NM), and ultrasonography (US).

### **RLTN 4032 Clinical Education III - Two hours (2)**

*Prerequisites:* RLTN 3080, 3082, 3083

Supervised clinical practice in performing radiographic procedures.

### **RLTN 4084 Clinical Education IV - Three hours (3)**

*Prerequisites:* RLTN 3080, 3082, 3083

Supervised clinical practice in performing radiographic procedures.

### **RLTN 4085 Clinical Education V - Three hours (3)**

*Prerequisites:* RLTN 3080, 3082, 3083, 4032, 4084

Supervised clinical practice in performing radiographic procedures with emphasis on advanced specialties such as MRI, CT, mammography, or cardiovascular interventional radiology.

### **RLTN 4116 Radiation Physics - Three hours lecture, three hours lab (4)**

*Prerequisites:* RLTN 3000, 3010, 3020, 3030, 3080, 3083, 3115, 3116, 4032

A study of interaction of radiation matter, and formation of photographic and electronic images. An introduction of the physics of magnetic resonance imaging and computed tomography.

### **RLTN 4550 Radiographic Pathology - Three hours lecture (3)**

*Prerequisites:* RLTN 3000, 3010, 3020, 3030, 3080, 3083, 3115, 3116, 4032

A study of radiographic pathology and its effect in the production of radiographs.

### **RLTN 4570 Management in Radiologic Technology - Two hours lecture (2)**

*Prerequisites:* RLTN 3000, 3010, 3020, 3030, 3080, 3083, 3115, 3116, 4030, 4032, 4084, 4116, 4550

A study of management principles, organizational, administration, human resource management, and automation of radiologic departments.

## 382 Radiologic Technology (RLTN)

### **RLTN 4580 Research Methodology in Radiologic Technology - Three hours lecture (3)**

*Prerequisites:* RLTN 3000, 3010, 3020, 3030, 3080, 3083, 3115, 3116, 4030, 4032, 4084, 4116, 4550

Methods of research and design of research studies relative to radiologic science. Determination of appropriate statistical test and analysis of data will be emphasized.

### **RLTN 4590 (RLTN 4590) Registry Review for Radiologic Technologists - Three hours lecture (3)**

*Prerequisites:* RLTN 3000, 3010, 3020, 3030, 3080, 3083, 3115, 3116, 4030, 4032, 4084, 4116, 4550

Capstone course of the program. Synthesis and application of didactic and clinic courses. Test taking strategies and review for national certification examination will be emphasized.

### **RLTN 484A, B Radiologic Lab Internship (15 each)**

Two semesters of internship providing practical application of the skills and abilities in radiologic technology. Students are assigned to an accredited hospital in a designated technology area of diagnostic radiology, nuclear medicine, computerized axial tomography, ultrasound, nuclear magnetic resonance, Positron emission tomography, and radiation therapy.

## READING (RDG)

### **RDG 4010 Teaching the Language Arts: K-6 (3)**

*Prerequisites:* must meet Milestone II requirements (provisional admission status)

Includes organization and assessment strategies, materials and methods of teaching the language arts for elementary grade students. Interrelatedness of these skills is stressed through activities which teach children of all cultures to think and communicate. A field experience is required.

### **RDG 4020 Teaching Reading: K-3 (3)**

*Prerequisites:* must meet Milestone II requirements (provisional admission status)

Includes scope and sequence of skills; assessment; organization strategies; materials and methods of listening; and speaking, writing, and reading for preschool and primary grade students. Interrelatedness of these skills stressed through activities which teach children of all cultures to think and communicate. A field experience is required.

### **RDG 4030 Literacy in the Upper Elementary Grades (3)**

*Prerequisites:* must meet Milestone II requirements (provisional admission status)

This course is designed to provide preservice students with research-based methods and procedures of teaching a balanced literacy approach in the upper elementary grades (4-6 grades). Field-based work and a preclinical experience will be required.

### **RDG 4040 Content Reading (3)**

*Prerequisite:* must meet Milestone II requirements (provisional admission status)

A course designed for elementary teachers in the strategies for developing literacy skills in the content areas.

**RDG 4050 Literature for Children (3)**

*Prerequisite: must meet Milestone II requirements (provisional admission status)*

Appreciation, selection, and use of children's literature as related to curriculum enhancement and the needs of children.

**RDG 4060 Addressing Literacy Difficulties (3)**

*Prerequisites: must meet Milestone II requirements (provisional admission status)*

This course is designed to acquaint students with methods and strategies for diagnosing and correcting reading difficulties, using a balanced literacy approach based on current and classical research. Field-based work with individual students will be required.

**RDG 4051 Process Writing (3)**

*Prerequisite: must meet Milestone II requirements (provisional admission status)*

Exploration of methods, materials, and organizational patterns by which children's writing skills can be developed and improved. Particular emphasis will be placed on the awareness and implementation of the writing process, including improved methods of evaluation of written expression.

**RDG 4890 Teaching Reading in the Secondary School (3)**

*Prerequisite: must meet Milestone II requirements (provisional admission status)*

A course designed to prepare teachers in teaching developmental, corrective, and remedial reading on the secondary school (English classroom) level.

**SCIENCE (SCI)**

These classes are designed for Integrative Studies majors.

**SCI 4020 Teaching Science I: K-6 (4)**

*Prerequisite: must meet Milestone II requirements (provisional admission status)*

Emphasizes basic concepts of life and physical sciences. Classes will include lecture, lab, and field experiences.

**SCI 4030 Teaching Science II: K-6 (4)**

*Prerequisite: must meet Milestone II requirements (provisional admission status)*

Basic concepts of life and physical science; concentration on physical science conceptual schemes for elementary and middle school; integrated laboratory activities; and integration of science/technology/ society relationships.

**SOCIAL WORK (SW)****SW 2110 Introduction to Social Work (3)**

Definition of social work, the social work role, and social work outcome for the individual, group, organization, community, and institution in society. Introduction to and exploration of the generalist framework, problem-solving model, values, diversity, and their development in the 20th century as defined by critical thinkers in the profession.

## 384 Social Work (SW)

### **SW 3400 Generalist Social Work Practice (4)**

*Prerequisite or Concurrent enrollment:* SW 3420

Exploration of each phase of the generalist framework from a strengths-oriented, ecological perspective, with emphasis on core practice skills and skill development for carrying out entry-level, direct generalist practice. A grade of "C" or higher is required in this course in order to take SW 3620 or SW 3630. This is a web-enhanced course.

### **SW 3410 Values, Ethics, and Diversity (3)**

Hybrid course emphasizes developing heightened awareness of personal, professional, and societal values that inform decisions. It focuses on a process for ethical decision making, particularly in handling ethical dilemmas. Additionally, it explores the nature of cultural competence and diversity sensitivity.

### **SW 3420 Human Behavior in the Social Environment (3)**

*Prerequisite:* SW 2110 or permission of instructor

Ecological and social systems theory for integrating concepts and knowledge about human behavior through the entire life span, behavioral science at the individual, family, group, organizational, community, and societal levels. Content on race, gender, and sexual orientation.

### **SW 3430 Elements of Rural Practice (3)**

Examination of the distinctive nature of rural, generalist practice, historical development, special skills, knowledge, attitudes, and values which are particularly relevant for practice in nonurban settings, as well as current issues facing rural practitioners.

### **SW 3440 Crisis Intervention (3)**

*Prerequisite:* SW 2110 or permission of instructor

Exploration of crisis intervention models, processes, strategies, and skills with particular attention to HIV/AIDS, suicide, sexual assault, and family violence. This is a web-based course.

### **SW 3450 Human Behavior in the Macro Social Environment (3)**

*Prerequisite:* SW 3400

Applying the systems framework for creating and organizing knowledge of human behavior and the social environment on the macro-scale. Exploration of the family, the group, the organization, and the community; investigation of societal dynamics surrounding ethnic, oppressed minority, and gay and lesbian communities; the connection among the biological, economic, political, social, and ethical systems; and the generalist social work problem solving model.

### **SW 3460 Community Mental Health: Policy and Practice (3)**

*Prerequisite:* SW 2110 or permission of instructor

Survey of current social work methods for working with the severe and persistently mentally ill, incorporating an explanation of the DSM IV and the diagnostic process. Exploration of the consumer movement and its impact on services and treatment methods, as well as a focus on advocacy for specific populations such as the homeless, alcohol and drug dependent, women, gays and lesbians, people of color, and other oppressed groups in their struggle for adequate treatment. Review of the history of work with the "insane," including the development of legal rights and precedents, and a survey of current societal biases that affect the development of a program for insuring mental health for all in society.

**SW 3470 Techniques of Social Work for Groups (3)**

*Prerequisite:* SW 2110 or permission of instructor

A hands-on experience in leading groups for people who are faced with the need for rehabilitation, skills-training, and emotional development based on social work methods.

Exploration of the ways in which people behave in groups, think about groups, and achieve life satisfaction through participating in a group. Investigation of the different group leader styles appropriate for oppressed groups such as women, gays and lesbians, people of color, and the mentally ill.

**SW 3480 Living with HIV (3)**

Explores psychosocial issues related to providing care to persons with HIV/AIDS. Includes basic knowledge for assessment and intervention including assessing risk behavior, risk reduction, resource linkage, and appropriate skills for serving the vulnerable client. This is a web-based course.

**SW 3490 Social Work and Aging (3)**

This course offers an empowerment-oriented approach to social work practice with the elderly. It explores problems such as health, mental health, and financial and housing needs for this at risk group. The roles and responsibilities of the SW practitioner are clearly identified.

**SW 3620 Micro Social Work Practice (3)**

*Prerequisite:* a grade of "C" or better in SW 3400

Exploration of a systematic-eclectic framework for integrating a variety of theoretical perspectives for entry-level, direct generalist practice with individuals, families, and small groups. Includes selected theoretical models of social casework, family treatment, empowerment, social group work, and crisis intervention, as well as the ecosystems perspective. A minimum grade of "C" is required in this course. This is a web-enhanced course.

**SW 3630 Macro Social Work Practice (3)**

*Prerequisite:* a grade of "C" or better in SW 3400

Exploration of methods of social work for working with women and oppressed communities such as gays and lesbians and people of color through group work, advocacy, community organization, and community development. Students learn how to apply a macro-practice method in order to solve a macro-practice problem which they identify in a real life setting. Students are guided through an out-of-class experience in which they interview members of a community, define and analyze a problem, explore possible solutions, and then propose a specific macro-practice solution. A minimum grade of "C" is required for the course.

**SW 3680 Child Welfare I (3)**

*Prerequisite:* SW 2110

This course is designed to instill knowledge and commitment to the principles of practice in the Tennessee Public Child Welfare arena. Study content specifically provides information on the characteristics of the populations served and social issues addressed by the Tennessee Department of Children's Services (DCS).

## 386 Social Work (SW)

### **SW 3700 Child Welfare II (3)**

*Prerequisite:* SW 3680

This is the second course in the Child Welfare Certification Program which develops the skills and treatment interventions related to social work with abused/neglected children and their families. Students will have several opportunities to develop their own skills through a variety of teaching methods.

### **SW 3710 School Social Work (3)**

*Prerequisites:* SW 2110, 3400

Overview of significant issues children and adolescents bring to school. Offers tools and strategies for understanding and working within the constraints of the school environment. Covers treatment strategies that enable social workers to assist children and adolescents who have issues related to violence and trauma, parental absence, alcohol and drug abuse as well as death and loss.

### **SW 3770 Research Methods (3)**

*Prerequisites:* SW 3400 or permission of instructor

Exploration of the scientific method through research design, hypothesis testing, and data analysis. In a hands-on process, the student is guided through formulating a research question, collecting data to answer the question, and analyzing the data for its scientific importance and its importance for social work. The importance of research for providing a knowledge base for the solution of social problems affecting oppressed groups such as women, gays and lesbians, people of color is emphasized in addition to the emphasis on values and ethics required for work with human subjects.

### **SW 4020 Human Sexuality (3)**

Designed to prepare social workers and other professionals whose careers involve working with people having problems of human sexuality, and to increase students' awareness, factual knowledge, and understanding of human sexuality. Involves explicit films and topics some students may find offensive.

### **SW 4030 Child and Adolescent Mental Health**

This class prepares social work students to understand the children's mental health system. Any social worker providing services to children will need to be familiar with psychiatric terminology, diagnosis, medication, and the interventions provided to assist children with mental health needs.

### **SW 4035 Social Work with Children and Families (3)**

This class explores the range of social work practice settings that help children and their families, and child and family assessment. It looks at a range of problems affecting children and their families, and specific intervention techniques to help.

### **SW 4040 Social Work and Family Violence (3)**

This class explores the range of violence affecting families (e.g. child maltreatment, intimate partner violence, elder abuse) and prepares students to understand how violence affects families and how to intervene in families where abuse has occurred.

**SW 4400 Seminar for Field Instruction (1)**

*Concurrent Enrollment:* 2110, 3410, 3420, 3450, 3770, 4430, 4440; *must earn a minimum grade of "C" in SW 3400, SW 3620, SW 3630*

Overview of approved social service agencies, preparation for interviews in selected sites, and facilitates the development of a student placement profile, which includes application to the field practicum, resume, agency profile, and evidence of insurance coverage as required by CSWE. Students also meet individually with the field coordinator twice during the course. Grading on a pass/fail basis.

**SW 4410 Field Instruction (12)**

*Prerequisites:* SW 2110, 3410, 3420, 3450, 3770, 4400, 4430, 4440; *must earn a minimum grade of "C" in SW 3400, 3620, and 3630*

Educationally supervised practice activities with individuals, families, groups, organizations, and communities in an approved social service agency for thirty-two (32) hours per week over the course of the semester. Grading on a pass/fail basis.

**SW 4411 Field Instruction Concurrent Seminar (3)**

*Corequisite:* SW 4410

Integrative learning application of theoretical knowledge and social values, and skill development through direct practice activities in an approved social service agency. Includes processing learning experiences in the field agency and connecting them with theoretical perspectives on social work practice. This is a web-based course.

**SW 4430 Social Policy (3)**

Exploration of the process by which problems and issues in society are turned into rules, regulations, and laws. Focus on the transition from private troubles to public issues in such areas as divorce, mental illness, welfare, and child abuse, and the response of society to the needs of oppressed groups such as single parents, the elderly, women, gays and lesbians, and people of color. The role of social work and social workers in society is investigated, as well as the history of social welfare in the United States and the role of institutions in the delivery of services to people in need.

**SW 4440 Law and Social Work (3)**

The course explores the legal environment of social work, the legal system, and legal concepts. Actual cases will be briefed by students. The course is taught in a seminar format similar to a law school class, and is particularly useful for pre-law students.

**SW 4720 Senior Seminar (3)**

*Prerequisites:* social work major, SW 4410 or concurrent with SW 4410

The course is designed to be the "capstone" or final synthesis and integration course for the social work major. Self-directed, independent learning is a cornerstone of the course. Prior learning recognition, assessment, and integration through construction and evaluation of a social work portfolio is the major dynamic of the course. A minimum grade of "C" is required. This is a web-based course.

**SW 4900 Selected Topics in Social Work (3)**

Specially selected topics of current or continuing social significance, from social work perspectives.

## 388 Social Work (SW)

### **SW 499A, B, C Directed Individual Study (1, 2, 3)**

*Prerequisites: junior standing and permission of supervising faculty required*

Specialized individual study under the direction of a faculty member.

## **SOCIOLOGY (SOC)**

### **SOC 2010 Introduction to Sociology (3)**

Introduction to sociology as a scientific discipline. Subject matter includes sociological concepts, sociological processes, social structure, social organization, and social institutions, including family, education, politics, religion, and economy.

### **SOC 2050 Social Problems (3)**

A survey of social subjects including family, city, public health, alcoholism, drug dependency, racial and gender inequality, work, crime, and violence.

### **SOC 2500 Cultural Anthropology (3)**

*(course renumbered from SOC 3500)*

The theories and elements of culture are identified and applied to a variety of human societies. Emphasizes premodern society.

### **SOC 3000 Family Theory (3)**

The study of the major theoretical models about families.

### **SOC 3010 Marriage and the Family (3)**

Analysis of the family institution, its structure and function, and the dynamics of social change in family interaction and organization. The process of marriage examined includes dating, courtship, mate selection, engagement, and marriage. Attention to changes currently affecting the American family.

### **SOC 3020 African American Families in the United States (3)**

An analysis of historical and contemporary social science literature regarding black family structure and function within the social and political context of the United States.

### **SOC 3030 Families in Crisis (3)**

Theoretical and practical examination of the nature and course of family crisis and principles used in intervention strategies.

### **SOC 3040 Urban Sociology (3)**

The history and development of cities, their relation to surrounding and rural areas, and the role of cities in the national economy and society. Attention will be given to recent and anticipated changes and accompanying problems.

### **SOC 3050 Race Relations and Minority Peoples (3)**

Minority groups and race relations in the United States. Special attention is devoted to such groups as Blacks, Indians, Asians, and religious minorities.

### **SOC 3060 Contemporary Issues in the Family (3)**

In-depth examination of contemporary issues that affect family functions and relations.

**SOC 3070 Families Across Cultures (3)**

Cross-cultural, multicultural, and historical influences on family functions, structures, and behaviors; focusing on the recognition and understanding of cultural similarities and differences.

**SOC 3080 Gender and Society (3)**

Gender and sexuality in American society and cross-culturally, with consideration to the role of gender in structuring identity, male/female interaction, and constraints on expanding opportunities.

**SOC 3100 Popular Culture (3)**

This course examines the impact of the values, beliefs, and actions promoted by popular culture (ex. movies, television, magazines, music, and fashion) on our daily lives. The course focuses on how popular culture is produced and consumed by society. The course also discusses the globalization of popular culture.

**SOC 3140 Sociology of Deviant Behavior (3)**

Contemporary theories of deviant behavior and major types of deviance in American society. The relationship between norms, deviance, and forms of social control; and the relationship between deviance, social disorder, and social change.

**SOC 3150 Social Psychology of Everyday Life (3)**

How principles of social psychology affect everyday human interaction. Covers such topics as mass media, leadership, personal attraction, communication, and the impact of the social environment on personality.

**SOC 3200 Crime and Delinquency (3)**

Theories of deviance as they relate to the law and methods of treatment; emphasis on causes, types, and corrective measures in criminology.

**SOC 3300 Social Inequality (3)**

Class analysis of the United States with focus on social and economic inequalities. Attention is given to such concepts as power, prestige, social opportunity, and dependency.

**SOC 3400 Sociology of Religion (3)**

Religion as a social institution with an analysis of the functions of religion for society and a comparison of major religious groups in America.

**SOC 3500 Sport and Society (3)**

This course encourages students to think critically about the organization of sports and how sports relate to their social lives. It critically analyzes gender, racial, socioeconomic, and body image issues relating to sport, and the functions of sport related to existing cultural ideologies.

**SOC 3600 Sociology of Later Maturity and Old Age (3)**

The social implications of an aging population; social and personal adjustments of the aging process; and resources for coping with roles and statuses of old age.

## 390 Sociology (SOC)

### **SOC 3700 Medical Sociology (3)**

Sociocultural factors which influence the cause, recognition, definition, and treatment of illness: the development, organization, and role of the medical profession as a social institution.

### **SOC 3750 Population and Society (3)**

Growth and change in the composition and distribution of population; causes and consequences of the “population explosion”; and other population problems in the world and the United States. Interrelationships of population variables (fertility, mortality, and migration) and social, economic, political, and ecological factors.

### **SOC 3760 Introduction to Social Research (3)**

Basic techniques in social research with emphasis on the collection, analysis, and interpretation of quantitative data.

### **SOC 3770 Social Statistics (3)**

This course is designed to provide an introduction to statistics in the social sciences. Students will learn how to perform statistical calculations by hand, and how to execute and interpret basic SPSS programs.

### **SOC 3800 Women and Social Change (3)**

An analysis of the implications of social change for the status of women, and an evaluation of the women’s movement and other institutions as a force for social change.

### **SOC 3810 Collective Behavior and Social Movements (3)**

The study of social movements and collective behavior as they contribute to social change.

### **SOC 4080 Classical Sociological Theory (3)**

Major contributions to social theory during the 19th and early 20th centuries. Theorists include Comte, Marx, Weber, Pareto, Durkheim, and others. Major emphasis on the intellectual traditions which gave rise to sociology as a separate discipline.

### **SOC 4090 Modern Sociological Theory (3)**

Development of leading “schools” of sociological theory: Functionalism, Conflict, Symbolic Interactionism, Exchange, Ethnomethodology with emphasis on theory in American sociology since World War II.

### **SOC 4300 Organizational Behavior (3)**

Examines the development and role of organizations in contemporary society, focusing on explanations of organizational structure, process, and change.

### **SOC 4400 Environmental Sociology (3)**

A comprehensive overview of the historical precursors to and the emergence of the field of environmental sociology. Topics include interactions between the physical environmental and the social world; perspectives in environmental sociology; environmental concerns, health, movements, and risks; political economy of environmental problems; environmental law and policy; environmental justice.

**SOC 4410 Environmental Policy (3)**

This course discusses public policy as it relates to the natural environment. The course focuses on how power/politics, science, and social values influence decisions about the natural environment. The course discusses environmental policy at the local, state, regional, national, and international levels.

**SOC 4420 Environmental Justice (3)**

A study of the emergence and development of environmental justice. An understanding of the interaction between the human environment and inequality among different human groups, as defined by race, class, and gender will be addressed. Topics include environmental racism; the environmental justice movement; environmental attitudes, theories, and health; and race, class, and gender disparities.

**SOC 480A, B Sociology Internship (3, 6)**

This course helps students to hone their ability to use the sociological perspective in an organizational setting while gaining career experience with an internship organization.

**SOC 4900 Selected Topics in Sociology (3)**

Specially selected topics of current or continuing social significance from sociological perspectives. Subjects to be announced when course is scheduled. Seminar, with regular class meetings.

**SOC 499A, B, C Directed Individual Study (1, 2, 3)**

Specialized individual study under the direction of a faculty member. Junior standing and permission of supervising faculty are required.

**SPANISH (SPAN)****SPAN 1010, 1020 Elementary Spanish (4 each)**

101A-101B; 102A-102B (2 each): SPAN 101A and SPAN 101B are equivalent to SPAN 1010; SPAN 102A and SPAN 102B are equivalent to SPAN 1020.

*Prerequisite for SPAN 1020:* SPAN 1010

Extensive practice in reading, writing, speaking, and listening.

**SPAN 2010, 2020 Intermediate Spanish (3 each)**

*Prerequisite for SPAN 2010:* SPAN 1020 or equivalent; *prerequisite for SPAN 2020:* SPAN 2010 or equivalent

A comprehensive review of Spanish along with extensive reading, close textual examination, and discussion of representative works of Spanish literature.

**SPAN 2100 Basic Survival Spanish Conversation (3)**

*Prerequisite:* second-year proficiency in Spanish

Designed to give the student skills in conversational Spanish needed for effective communication.

**SPAN 3040 Study Abroad Program in Spanish: Spain and Spanish America (6-8)**

A total immersion program in Spanish and other disciplines in a Spanish-speaking country.

## 392 Spanish (SPAN)

### **SPAN 304A Study Abroad - Mexico (6-8)**

*Prerequisite: basic knowledge of Spanish or by permission of instructor*

A study program designed to provide students with a total Spanish-speaking environment which will allow a broadening of knowledge and appreciation of the Spanish language and culture. Not applicable toward major. May be repeated for credit.

### **SPAN 304B Study Abroad - Spain (6-8)**

*Prerequisite: basic knowledge of Spanish or by permission of instructor*

A study program designed to provide students with a total Spanish-speaking environment which will allow a broadening of knowledge and appreciation of the Spanish language and culture. Not applicable toward major. May be repeated for credit.

### **SPAN 3210 Advanced Composition in Spanish (3)**

*Prerequisite: SPAN 2020 or permission of instructor*

Free composition on assigned topics and translations to and from Spanish, from a variety of authors and topics, to develop fluency and correctness in writing Spanish.

### **SPAN 3220 Phonetics and Conversation in Spanish (3)**

*Prerequisite: SPAN 2020 or permission of instructor*

A minimum of theory with extensive application in corrective phonetics to assure a high level of accuracy in Spanish pronunciation. Concentrated practice in oral command of Spanish. This course affords the student opportunities to discuss in Spanish assigned topics in order to develop confidence and accuracy in oral expression.

### **SPAN 3410 Business Spanish (3)**

*Prerequisite: SPAN 2020 or third year proficiency*

Vocabulary and concepts in Spain and Spanish-American business.

### **SPAN 3420 Court Interpreting and Translating in Spanish (3)**

*Prerequisite: SPAN 2020 or third year proficiency in Spanish*

Instruction in sight, simultaneous, and sequential interpreting and translating skills in preparation for possible certification by the Supreme Court of Tennessee. Vocabulary and concepts, in Spanish, used in the legal profession.

### **SPAN 3510 Spanish Civilization I (3)**

*Prerequisite: third-year proficiency in Spanish or permission of instructor*

The culture and civilization of Spain from its origin to the 18th Century.

### **SPAN 3520 Spanish Civilization II (3)**

*Prerequisite: third-year proficiency in Spanish or permission of instructor*

The culture and civilization of Spain from the 18th Century to the present.

### **SPAN 3610 Spanish-American Civilization I (3)**

*Prerequisite: third-year proficiency in Spanish or permission of instructor*

The culture and civilization of Spanish-America from its origin to 1810.

### **SPAN 3620 Spanish-American Civilization II (3)**

*Prerequisite: third-year proficiency in Spanish or permission of instructor*

The culture and civilization of Spanish-America from 1810 to present.

**SPAN 3400 Special Topics: Language (3)**

*Prerequisite: permission of instructor*

Instruction and guidance in circumstantial Spanish: health care, police emergency, translators, religious crises, technical problems, etc.

**SPAN 4100 Special Topics: Literature (3)**

*Prerequisite: permission of instructor*

Individual projects, selected topics in authors or periods.

**SPAN 4110, 4120 Independent Study in Spanish (3 each)**

Students study independently in Spanish under instructor's guidance. Studies are planned to satisfy special individual needs and interests.

**SPAN 4510 Survey of Spanish Peninsular Literature I (3)**

*Prerequisite: third-year proficiency in Spanish or permission of instructor*

Peninsular literature from its origin to the 18th century.

**SPAN 4520 Survey of Spanish Peninsular Literature II (3)**

*Prerequisite: third-year proficiency in Spanish or permission of instructor*

Peninsular literature of the 19th and 20th centuries.

**SPAN 4610 Survey of Spanish American Literature I (3)**

*Prerequisite: third-year proficiency in Spanish or permission of instructor*

Pre-Columbian Spanish-American literature to 1810.

**SPAN 4620 Survey of Spanish-American Literature II (3)**

*Prerequisite: third-year proficiency in Spanish or permission of instructor*

Spanish-American literature from 1810 to the present.

**SPECIAL EDUCATION (SPED)****SPED 3000 Introduction to Special Education (3)**

*Prerequisite: must meet Milestone I requirements (candidacy status)*

Identification of handicapping conditions, programs for educating the disabled, and public laws specifying responsibilities of school personnel.

**SPED 3100 Early Childhood Special Education (3)**

*Prerequisites: must meet Milestone II requirements (provisional admission status)*

Identification of handicapping conditions, programs, and services for educating young children with disabilities (birth-five years), and public laws specifying responsibilities of programs/school personnel. A field experience is required (five hours).

**SPED 3300 Characteristics of Students with Mild/Moderate Disabilities (3)**

*Prerequisite: must meet Milestone I requirements (candidacy status)*

Develop an awareness of the educational needs and goals of a person with mild/moderate disabilities. The physical, emotional, and psychological characteristics will be stressed. Lecture/discussion and 15 hours of field-based experiences.

## 394 Special Education (SPED)

### **SPED 3330 Characteristics of Students with Severe Disabilities (3)**

*Prerequisite: must meet Milestone I requirements (candidacy status)*

Developing and understanding of the physical, psychological, and emotional characteristics of the severely disabled. Personal and social needs will be stressed. Fifteen hours of field experience required.

### **SPED 3340 Developing Consultative Skills: Parents and Professionals (3)**

*Prerequisites: must meet Milestone II requirements (provisional admission status)*

Communication skills needed in working with parents and professionals regarding short- and long-range planning for the disabled individual.

### **SPED 3350 Diagnostic Assessment of Exceptional Students (3)**

*Prerequisites: must meet Milestone II requirements (provisional admission status)*

Techniques used to evaluate a variety of disabling conditions, on an individual basis, in special education classrooms. The student will be required to administer an array of evaluative instruments to special children in public school classrooms.

### **SPED 3360 Characteristics of Gifted Education (3)**

*Prerequisites: must meet Milestone I requirements (candidacy status), SPED 3000*

This course is designed to acquaint students with the tenets of gifted education. The focus will be on characteristics of gifted learners, the history of the field, assessment practices, and the need for differentiated instruction.

### **SPED 4330 Behavior Management for Exceptional Students (3)**

*Prerequisites: must meet Milestone II requirements (provisional admission status)*

Techniques of managing classroom and other behaviors at all levels and types of exceptionality.

### **SPED 4340 Effective Inclusion Strategies (3)**

*Prerequisites: must meet Milestone II requirements (candidacy status), SPED 3000.*

Provide instructional strategies and techniques for teachers of the mild and moderately disabled.

### **SPED 4350 Teaching Students with Severe Disabilities (3)**

*Prerequisites: must meet Milestone II requirements (provisional admission status)*

Provide instructional strategies and procedures for teachers of severely/multiple disabled. Emphasis will also be directed toward assessment techniques, use of commercial materials, and use of technology. Students will be assigned 15 hours of field experiences to facilitate application of classroom instruction.

### **SPED 4370 Career/Vocational Education for Exceptional Students (3)**

*Prerequisite: must meet Milestone I requirements (candidacy status)*

Familiarize the student with techniques for determining job availability for disabled students, employer attitudes, necessary pre-job skills, and an awareness of community employment opportunities and other transitions into post school life.

### **SPED 4390 Assistive Technology in Special Education (3)**

*Prerequisite: must meet Milestone I requirements (candidacy status)*

Familiarize students with the special needs of students that can be met by the use of assistive technology and equipment that is available.

**THEATRE (THEA)****THEA 1030 Introduction to Theatre (3) - (online and on campus)**

*(course renumbered from THEA 1000)*

Create an awareness of the nature of theatrical art and its place in human culture. Incorporates study of history, theory, and practice of theatrical art. This is not a performance course.

**THEA 1300 Acting I (3)**

An analysis of the various styles and techniques of acting. Emphasis will be placed on performance through the use of improvisation, movement, and voice.

**THEA 1301 Beginning Acting for Non-Majors (3)**

This course is designed for non-theatre majors with an analysis of the various styles and techniques of acting. Emphasis will be placed on performance improvement through the use of improvisation, movement, and voice.

**THEA 1500 Voice for the Actor (3)**

*Prerequisite:* THEA 1300 or permission of instructor

Practical work on the fundamentals of vocal production for the stage. Topics include body alignment, breath support, articulation, and Standard American Stage Speech using the International Phonetic Alphabet.

**THEA 1600 Stagecraft I (3)**

Principles and techniques used in construction, rigging, handling, and maintenance of stage scenery, soft good construction and manipulation, and scenic painting. Students will participate in a combination of classroom work and laboratory work, consisting of practical application of classroom learned techniques in the scene and costume shop and on production crews. A minimum of 40 hours in the shop is required.

**THEA 1610 Stagecraft II (3)**

*Prerequisite:* THEA 1600

Principles and techniques used in steel construction, electrics, sound, properties, and plastics. Students enrolled in this course will participate in a combination of classroom work and laboratory work, the latter consisting of practical application of classroom learned techniques in the scene shop, costume shop, light shop, and on production crews. A minimum of 40 hours in the shop is required.

**THEA 2000 American Theatre (3) - (online and on campus)**

History of American theatre with emphasis on changing systems of value as reflected by the drama.

**THEA 2010 Oral Interpretation of Literature (3)**

Study of literature through the medium of performance. Students analyze and perform selected literature. Most performances take place in class, but a public performance requirement is occasionally added.

**THEA 2300 Acting II (3)**

*Prerequisites:* THEA 1300, 1030

Analysis of styles and techniques in acting. Improvisation, movement, and voice will be developed as a means of character development.

## 396 Theatre (THEA)

### **THEA 2350 Stage Movement (3)**

This course introduces principles and techniques of theatrical stage movement. It is designed to help actors and dancers make their bodies more flexible and efficient instruments of expression.

### **THEA 3010 Theatre: Chronicle and Concept I (3)**

*Prerequisites:* THEA 1030, 2000

Examines history and theory of theatrical art of the Classical Era, Middle Ages, and Renaissance in Western Europe. Emphasizes theatrical space, production, and performance. Drama is considered as a plan for production rather than as literature.

### **THEA 3020 Theatre: Chronicle and Concept II (3)**

*Prerequisite:* THEA 3020

Examines history and theory of theatrical art in the 18th, 19th, and 20th centuries in Western Europe. Emphasizes theatrical space, production, and performance. Drama is considered as a plan for production rather than as literature.

### **THEA 303A, B Summer Theatre (3 each)**

*Prerequisite:* permission of instructor

Intensive work in a summer theatre production, in which the student functions as a performer, technician, designer, or in a combination of duties.

### **THEA 3080 International Studies in Theatre I (3)**

*Prerequisite:* junior standing or approval of instructor

Exposes students to the history, development, social relevance, and artistry of theatre abroad. Students will actively examine current trends in theatre within the confines of an international component. This area of study will culminate with an international experience. Students are expected to enroll in THEA 3090, International Studies in Theatre II, the following semester.

### **THEA 3090 International Studies in Theatre II (3)**

*Prerequisites:* junior standing and THEA 3080 or approval of instructor

This course is the culmination of THEA 3080. The students will experience international theatre first hand within the confines of a studies abroad program.

### **THEA 3300 Acting III (3)**

*Prerequisite:* THEA 1300

For students who intend to pursue a career in theatre on the educational or commercial level, to refine skills as well as to develop the capacity to teach the art of acting to others.

### **THEA 3330 Musical Theatre History (3)**

A survey course of the history of musical theatre from operetta to present day, with an emphasis on select shows and significant contributors to the genre.

### **THEA 3350 Musical Theatre Workshop (3)**

*Corequisite:* THEA 335L or two semesters of vocal study (one semester may be concurrent)

A performance-oriented study of musical theatre, composers, and styles to improve students' audition and performance skills.

**THEA 335L Musical Theatre Workshop Lab (1)**

*Corequisite:* THEA 3350

Individual instruction in techniques using the body and voice to prepare the student for opportunities in musical theatre performance.

**THEA 3400 Directing (3)**

*Prerequisites:* THEA 1030, 1300, 1600, 2300, and junior status

The theories, problems, and techniques of stage direction. Each student is required to produce and direct the performance of a theatrical event, selected with the advice and consent of the instructor.

**THEA 3450 Creative Drama for Children (3)**

Designed to demonstrate how theatre may be used as both means and end to teach the elementary school child. Included will be theatre projects, group and single, involving puppetry and live theatre.

**THEA 3500 Stage Dialects (3)**

*Prerequisites:* THEA 1500 or permission of instructor

Training in the use of region-specific dialects common in theatrical performance. Topics include IPA transcription, sound substitutions, and resonant focus.

**THEA 3700 Scenic Design (3)**

*Prerequisites:* THEA 1030, 1600

Exposes the student to theatre design in the area of Scenery. Emphasis placed on script analysis and the implementation of various design elements. Students will explore working in a collaborative atmosphere with others on the production team.

**THEA 380A-H Stagecraft Practicum (2)**

Supervised work on the plays produced by the department or other departmental approved productions. A minimum of 60 clock hours shall be required for academic credit. Only one (1) course per term. This course cannot be substituted for required courses or electives in the concentration. Grading on a pass/fail basis.

**THEA 388A-H Performance Practicum (2)**

Supervised acting in plays produced and sponsored by the department. A minimum of 60 clock hours shall be required for academic credit. Only one (1) course per term. This course cannot be substituted for required courses or electives in the concentration. Grading on a pass/fail basis.

**THEA 3890 Costume Design (3)**

This course will explore all aspects of theatrical costuming, from character analysis through design concept to realization. The student will develop skills in basic costume construction, as well as techniques such as draping, flat-patterning, and sewing both by hand and machine.

**THEA 4000 Makeup Design (3)**

This is a hands-on course that explores design and application techniques of two and three dimensional theatrical makeup.

## 398 Theatre (THEA)

### **THEA 420A, B, C Independent Research (1 each)**

*Prerequisites:* junior or senior standing and permission of instructor

Opportunity for directed scholarly research in an area of special interest to the student. Enrollment accepted only after professor has approved a written project proposal from the student.

### **THEA 4300 Lighting Design (3)**

*Prerequisite:* THEA 1600

Exposes the student to theatre design in the area of lighting. Emphasis placed on script analysis and the implementation of various design elements. Students will explore working in a collaborative atmosphere with given scenic and costume designs.

### **THEA 4400 Advanced Scenography (3)**

*Prerequisites:* THEA 1600, 3700, and 4300 or 3890

Exposes the student to the computerized world of theatrical design. Allows the student to explore scenic, lighting, and costume design programs. Emphasis will be placed on both previously designed pieces as well as new designs. This is a hands-on, seminar-oriented class.

### **THEA 4500 The Business of Theatre (3)**

*Prerequisites:* THEA 1030 and a basic knowledge of computer technology

Covers basic business and managerial skills related to theatre, with emphasis on amateur and educational companies. Topics include development of budgets and business office procedures, box office and house management, and computer software applications and techniques.

### **THEA 4550 Roy Acuff Chair Seminar (4)**

*Prerequisites:* THEA 1600, 1300 or may be taken simultaneously with the approval of Theatre Coordinator and the Roy Acuff Chair recipient

Offered once every four years; allows the student to take a class with a theatre practitioner of national/ international reputation. The theatre artist selected as the Roy Acuff Chair recipient might be an actor, director, designer, playwright, and/or screenwriter. The student is exposed to the realistic demands of his/her chosen area in the field of professional theatre.

### **THEA 460A, B Special Topics in Technical Theatre (3 each)**

*Prerequisites:* THEA 1030, 1600 or permission of instructor

460A: Examines the theory and practice of stage management. Coursework includes an examination of historical and contemporary practice through research and application.

460B: Examines the theory and practice of sound and property construction, as well as the acquisition and management of inventories. Emphasis is placed upon historical research and laboratory exercises.

### **THEA 4650 Direction and Performance for the Camera (3)**

*Prerequisites:* junior standing and approval of instructor(s)

Designed to provide interaction between students in broadcast media and theatre. Through lecture, exercise, scene work, and technology, students will be introduced to the special skills necessary to produce and act in film and TV. Rotation of roles of technician, director, and performer to insure an understanding of the process behind and in front of the camera.

**THEA 4700 Topics in Women's Theatre (3)**

Examines the theory and practice of special topics in women's theatre. Special topics include the works of Eve Ensler, Caryl Churchill, Maria Irene Fornes, Beth Henley, Marsha Norman, and others.

**THEA 4800 Theatre Practicum (3)**

*Prerequisites:* THEA 3700 and permission of instructor

The student will undertake, under close supervision of the instructor, one major aspect of a production selected in conference with the departmental faculty.

**THEA 4900 Playwriting (3) (cross listed with ENGL 4900)**

Designed to give the student opportunity for written expression in the dramatic form. Play structure will be studied and practically applied.

**THEA 4950 Advanced Playwriting (3) (cross listed with ENGL 4950)**

*Prerequisite:* THEA 1030 or ENGL 4900 or THEA 4900, and sophomore standing or higher

Revising plays and one-act scripts for stage performance.

**WOMEN'S STUDIES (WS)****WS 2050 Women and Culture: Introduction to Women's Studies (3)**

*Prerequisite:* ENGL 1020

An introduction to fundamental principles of women's studies, especially the cultural roles, depictions, and experiences of women, past and present; the cultural construction of gender; and the impact of feminist movements upon women's lives. A multi-cultural perspective is provided.

**WS 300A, B, C Selected Topics in Women's Studies (3 each)**

Examination of a selected topic relevant to issues of women or gender, offered on a one-time basis.

**WS 3050 Women in the Arts (3)**

An interdisciplinary, cross-cultural survey of women in the arts. Major emphasis on the visual arts and literature, with attention also to the performing arts. Topics include both the contributions and depictions of women in the arts.

**WS 3060 Vagina Monologues (3)**

*Prerequisite:* ENGL 1020

Examines issues addressed in Eve Ensler's script in national and international contexts, including women's sexuality, women's body history, racism, violence against women, women's spirituality, and the perception of lesbianism. A major component of the course is the production of the play as part of the international V-Day movement.

**WS 3070 Women and Film (3)**

*Prerequisite:* ENGL 1020, WS 2050

This course will examine women as subjects and objects in film, and women filmmakers. Emphasis will be placed on analyzing films for constructions of gender, race, ethnicity, sexual orientation, and class.

## 400 Women's Studies (WS)

### **WS 4010 Capstone Seminar in Women's Studies (3)**

*Prerequisites: WS 2050 and three hours of WS courses*

Students will examine upper-division readings in feminist theory, culminating in a research project and presentation.

# **Austin Peay Center @ Fort Campbell**

## **School of Technology and Public Management**

Location: SSG Glenn H. English, Jr., Army Education Center, Room 140

Phone: 931-221-1400

Website: <http://www.apsu.edu/apfc/>

The Austin Peay Center @ Fort Campbell (APC@FC) is home to the School of Technology and Public Management (STPM). The School of Technology and Public Management is composed of three departments: Public Management, Engineering Technology, and Professional Studies. In addition to the courses offered through the SPTM, APC@FC also offers courses to fulfill the Common General Education Core requirements of the Tennessee Board of Regents and to meet the requirements of the Associate of Science in Liberal Arts.

### **Mission Statement**

The mission of the Austin Peay Center @ Fort Campbell is to prepare our military and civilian students with a preprofessional focus toward the acquisition and development of the necessary skills, knowledge, and abilities required for entry into and/or advancement in their academic, professional, technical, or management fields of endeavor or career choices. With focused learning, modern equipment, and varied methods of instruction by quality faculty, we assist our students through a process of academic rigor, but also with a customer orientation and personal attention. Our diverse student body is both traditional and non-traditional and, along with our faculty, are committed to workforce development at the local, state, and federal levels.

### **Calendar**

Fort Campbell operates on five eight-week terms: Fall I (August - October), Fall II (October - December), Spring I (January - March), and Spring II (March - May) and Summer III (May - July). The official calendar for Fort Campbell is published in this Bulletin and will be published in the Fort Campbell Schedule of Classes.

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### Academic Advising

See page 53.

### Grade Reporting

See page 57.

### Textbooks

The Austin Peay Center @ Fort Campbell Bookstore, located in the Army Education Center, stocks textbooks that are required for scheduled courses. Students are strongly encouraged to attend the first class meeting to ensure that the course will be offered and the exact text requirements are understood before making purchases. Checks, money orders, Visa, MasterCard, or cash are acceptable for payment. The APSU Bookstore has several textbook buy backs each year.

### Admission Requirements

See page 25.

### Financial Aid

Students planning to attend Austin Peay Center @ Fort Campbell may apply for financial assistance. Students should complete and submit the Free Application for Federal Student Aid (FAFSA), which is available at Austin Peay Center @ Fort Campbell or via the web at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). Students should file an application for admission to the University at the same time they apply for financial aid. Students who qualify for financial assistance will be notified by an award letter from the Student Financial Aid Office. The award will be divided into four (4) disbursement periods consistent with the four-term schedule per academic year offered through Austin Peay Center @ Fort Campbell. Please refer to the financial aid section of this Bulletin to view the types of federal aid that are available. Also, please visit [www.apsu.edu/financialaid](http://www.apsu.edu/financialaid) for more information.

### Registration Procedures

Registration procedures, dates, and information are announced prior to the beginning of each term. Fees for registration must be paid at the time of registration. Current policy stipulates that, while all classes and programs are open to the public, active duty military personnel will have first priority.

### Drop/Add

See pages 57.

### Dean's List

See page 66.

## Degrees and Academic Programs

Austin Peay Center @ Fort Campbell is presently scheduled to offer courses leading to the following degrees:

### **BACHELOR OF SCIENCE DEGREE with majors in:**

Criminal Justice

Concentration:

Homeland Security

Engineering Technology

Concentrations:

General

Electrical (with Electronic emphasis)

Electrical (with Robotics emphasis)

Manufacturing Engineering Technology

Manufacturing (with Robotics emphasis)

Professional Studies

Technical Studies

Public Management (see page 414)

Concentrations:

General Management

Criminal Justice

**ASSOCIATE OF SCIENCE DEGREE with a major in:**

Liberal Arts

Concentration:

General Studies

**ASSOCIATE OF APPLIED SCIENCE DEGREE in:**

Computer Technology and Information Management

Concentration:

Administrative Management

Computer Science and Electronic

Management Technology

Concentrations:

Management Technology

General Business

Industrial Management

Police Science and Administration

Corrections Management

Restaurant Management

Culinary Arts

Occupational Studies

Concentrations:

Automotive Technology

Construction Technology

Electronics Technology

**Academic Status and Retention**

See page 66.

**General Requirements for an Associate Degree**

The following Associate degree programs are offered through the School of Technology and Public Management at the Austin Peay Center @ Fort Campbell:

- The Associates of Science in Liberal Arts is designed as a University transfer leading to a bachelor's degree.
- The Associate of Applied Science is an occupational degree and does not fulfill Liberal Arts core requirements for a baccalaureate degree.

The general requirements for the associate's degree are as follows:

1. Earn the required number of credits as indicated in the program of study;
2. Earn no more than half of the required credits by non-traditional means;

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3. Have a minimum cumulative grade point average of at least a "C" (2.00) average;
4. Have a minimum grade point average of at least a "C" (2.00) in the required specialization for the Associate of Applied Science degree;
5. Complete the Application for Graduation by the deadline, as published in the Fort Campbell SCHEDULE OF CLASSES; and
6. Have fifteen (15) APSU semester credit hours.

## School of Technology and Public Management

### REQUIREMENTS FOR THE ASSOCIATE OF SCIENCE DEGREE (A.S.) IN LIBERAL ARTS

Requirements for the Associate of Science Liberal Arts curriculum of 60 hours must be met as outlined below, including the 41 hours in the six specified areas and 19 additional elective hours.

#### MAJOR: LIBERAL ARTS (60 HOURS)

Advisors: M. Jones, T. Zanders

#### I Communications .....9 hours

- A. ENGL 1010 (3) - English Composition I
- B. ENGL 1020 (3) - English Composition II
- C. COMM 1010 (3) - Fundamentals of Public Speaking

#### II History ..... 6 hours

Select any two courses from:

- A. HIST 2010 - American History I (3)
- B. HIST 2020 - American History II (3)
- C. HIST 2030 - History of Tennessee (3)

#### III Humanities and/or Fine Arts. .... 9 hours

- A. ENGL 2030 - Traditions in World Literature (3)

Select one course from two disciplines below:

- B. ART 1030 - Art Appreciation (3)
- C. MUS 1030 - Music Appreciation (3)
- D. MUS 2030 - World Music (3)
- E. PHIL 1030 - Introduction to Philosophy (3)
- F. PHIL 2200 - Religion and the World (3)
- G. THEA 1030 - Introduction to Theatre (3)

#### IV Mathematics. .... 3 hours

Select one course from:

- A. MATH 1010 - Mathematical Thought and Practice (3)
- B. MATH 1420 - Structure of Mathematical Systems (3)
- C. MATH 1530 - Elements of Statistics (3)
- D. MATH 1710 - Precalculus (Algebra) (3)
- E. MATH 1730 - Pre-Calculus (4)
- F. MATH 1810 - Elements of Calculus (3)
- G. MATH 1910 - Calculus and Analytic Geometry (5)

#### V Natural Sciences ..... 8 hours

Select any two courses from:

- A. ASTR 1010 - Planetary Astronomy (4)
- B. ASTR 1020 - Stellar Astronomy (4)
- C. BIOL 1010 - Principles of Life (4)

## **School of Technology and Public Management**

- D. BIOL 1020 - Diversity of Life (4)
- E. BIOL 1040 - Human Biology (4)
- F. BIOL 1110 - Principles of Biology (4)
- G. BIOL 2010 - Human Anatomy and Physiology I (4)
- H. BIOL 2020 - Human Anatomy and Physiology II (4)
- I. CHEM 1010 - Chemistry, Society, and the Environment I (4)
- J. CHEM 1020 - Chemistry, Society, and the Environment II (4)
- K. CHEM 1110 - General Chemistry I (5)
- L. CHEM 1120 - General Chemistry II (5)
- M. CHEM/PHYS 1710 - Introduction to Chemistry and Physics (4)
- N. GEOL 1040 - Physical Geology (4)
- O. GEOL 1050 - Historical Geology (4)
- P. PHYS 1010 - Conceptual Physics I (4)
- Q. PHYS 1020 - Conceptual Physics II (4)
- R. PHYS 2010 - College Physics, Algebra, and Trigonometry (5)
- S. PHYS 2110 - University Physics I (Calculus-based) (5)
- T. PHYS 2120 - University Physics II (Calculus-based) (5)

**VI Social and Behavioral Sciences . . . . . 6 hours**

*Select one course from two disciplines below:*

- A. ECON 2010 - Principles of Macroeconomics (3)
- B. GEOG 1010 - Physical Geography (3)
- C. GEOG 1020 - Geography of the Developed World (3)
- D. GEOG 1030 - Geography of the Developing World (3)
- E. HHP 1250 - Wellness Concepts and Practices (3)
- F. HIST 1210 - World History I (3)
- G. HIST1220 - World History II (3)
- H. POLS 2010 - American National Government (3)
- I. POLS 2040 - Introduction to Public Policy (3)
- J. POLS 2070 - International Politics (3)
- K. PSY 1010 - General Psychology (3)
- L. SOC 2010 - Introduction to Sociology (3)
- M. SOC 2050 - Social Problems (3)
- N. SOC 2500 - Cultural Anthropology (3)

**VII General Education Electives . . . . . 19 hours**

## **Bachelor of Science Degree (B.S.)**

### **Department of Engineering Technology**

**School of Technology and Public Management**

Location: SSG Glenn H. English, Jr., Army Education Center

Bldg. 202 - Room 138, Fort Campbell, KY

Phone: 931-221-1470

The four-year Bachelor of Science degree program in Engineering Technology prepares graduates for careers transforming engineering concepts into reality through practical appli-

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cations of technology. This requires knowledge of engineering and scientific principles; a practical understanding of manufacturing processes, materials, machinery, and electronics; written, oral, and graphic communication skills; and hands-on training. This program is closely related to training for engineers, but places greater emphasis on practical aspects and hands-on experiences.

### ENGINEERING TECHNOLOGY (B.S.)

We offer concentrations in manufacturing, electronics, and robotics. We also offer a general concentration with specialization options in civil and mechanical engineering technology. The combination of our technological major and Austin Peay's liberal arts core is a unique strength of our program. The core helps students develop communication skills, critical thinking abilities, and values for responsible living.

From our facilities at the APSU Center @ Fort Campbell, we offer courses for both main campus and Fort Campbell students. We offer both daytime and evening courses to accommodate students who work while attending Austin Peay. We encourage students to take internships or other job opportunities in industry so they can get practical experience while completing their degrees.

In addition to the Bachelors Degree program in Engineering Technology, we offer an Associates Degree program at Fort Campbell in Electronics Technology. We also offer a minor in Engineering Technology. This is strongly recommended for students in business, technical writing, and other areas where graduates may join technological enterprises. Following is a program of study; students should use this as a guide, and should consult with their major advisor when selecting courses. A minor is not required with this distributive major. For transfer students, the department chair and faculty will evaluate Engineering Technology transfer courses and will determine whether courses satisfy specific degree requirements or count as electives.

### ELECTRICAL CONCENTRATION WITH ELECTRONICS EMPHASIS

	Credit Hours
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshmen Seminar Requirement</b>	<b>1</b>

#### For Engineering Technology majors:

- 1) PHYS 2010 College Physics and PHYS 2011 College Physics Lab (5 Cr. Hr), and PHYS 2020 College Physics and PHYS 2021 College Physics Lab (5 Cr. Hr) will be used to meet core requirements in science.
- 2) MATH 1530: Elements of Statistics will be used to meet core requirements in mathematics.

<b>Lower Division Major ENGT Core Requirements:</b>		<b>27</b>
ENGT 1000	Introduction to Engineering	3
ENGT 1020	Computer Aided Design	3
ENGT 2000	Manufacturing Processes	3
ENGT 2010	DC Circuits	3
ENGT 2020	Robotic Fundamentals	3
ENGT 2030	AC Circuits	3
ENGT 2730	Introduction to Solid Modeling	3
MATH 1730 or ENGT 1200	Precalculus or Applied Math for Engineering	3
MATH 1810 or ENGT 1400	Elements of Calculus or Applied Calculus for Engineering	3

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<b>Upper Division Major ENGT Core Requirements</b>		<b>18</b>
ENGT 3000	Materials Science	3
ENGT 3010	Engineering Economics	3
ENGT 3020	Statics and Strengths of Materials	3
ENGT 3030	Thermodynamics	3
ENGT 3040	Power Transfer	3
ENGT 3050	Problem Solving	3

### MAJOR CONCENTRATIONS (36 HOURS)

<b>Electrical Concentrations with Electronics Core</b>		<b>Credit Hours</b> <b>18</b>
ENGT 3200	Electronics Fundamentals I	3
ENGT 3220	Digital Design I	3
ENGT 3230	Microprocessor	3
ENGT 3240	Electronics Fundamentals II	3
ENGT 3250	Digital Design II	3
ENGT 4150	Programmable Logic Controls	3

### Electronics

		<b>Credit Hours</b> <b>18</b>
ENGT 3210	Communications Systems I	3
ENGT 4220	Communications Systems II	3
ENGT 4200	Linear Electronics	3
ENGT 4210	Control Systems	3
<i>Plus 6 credit hours from the following ENGT Electives:</i>		
ENGT 3100	Robotic Applications	3
ENGT 3800	Computer Aided Manufacturing	3
ENGT 4120	Sensor and Vision	3
ENGT 4850	Computer Integrated Manufacturing	3

### ELECTRICAL CONCENTRATION WITH ROBOTICS EMPHASIS

		<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>		<b>41</b>
<b>University-Wide Freshmen Seminar Requirement</b>		<b>1</b>

### For Engineering Technology Majors

- 1) PHYS 2010 College Physics and PHYS 2011 College Physics Lab (5 Cr. Hr), and PHYS 2020 College Physics and PHYS 2021 College Physics Lab (5 Cr. Hr) will be used to meet core requirements in science.
- 2) MATH 1530: Elements of Statistics will be used to meet core requirements in mathematics.

<b>Lower Division Major ENGT Core Requirements</b>		<b>27</b>
ENGT 1000	Introduction to Engineering	3
ENGT 1020	Computer Aided Design	3
ENGT 2000	Manufacturing Processes	3
ENGT 2010	DC Circuits	3
ENGT 2020	Robotic Fundamentals	3
ENGT 2030	AC Circuits	3

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ENGT 2730	Introduction to Solid Modeling	3
MATH 1730 or ENGT 1200	Precalculus or Applied Math for Engineering	3
MATH 1810 or ENGT 1400	Elements of Calculus or Applied Calculus for Engineering	3

### Upper Division Major ENGT Core Requirements **18**

ENGT 3000	Materials Science	3
ENGT 3010	Engineering Economics	3
ENGT 3020	Statics and Strengths of Materials	3
ENGT 3030	Thermodynamics	3
ENGT 3040	Power Transfer	3
ENGT 3050	Problem Solving	3

### MAJOR CONCENTRATIONS (36 HOURS)

#### Electrical Concentrations with Robotics Core **Credit Hours 18**

ENGT 3200	Electronics Fundamentals I	3
ENGT 3220	Digital Design I	3
ENGT 3230	Microprocessor	3
ENGT 3240	Electronics Fundamentals II	3
ENGT 3250	Digital Design II	3
ENGT 4150	Programmable Logic Controls	3

#### Robotics **Credit Hours 18**

ENGT 3100	Robotic Applications	3
ENGT 3800	Computer Aided Manufacturing	3
ENGT 4120	Sensor and Vision	3
ENGT 4850	Computer Integrated Manufacturing	3

*Plus 6 credit hours from the following ENGT Electives:*

ENGT 3210	Communications Systems I	3
ENGT 3610	Production Operation Management	3
ENGT 3810	Plastic Manufacturing	3
ENGT 3830	Metal Manufacturing	3
ENGT 4200	Linear Electronics	3
ENGT 4210	Control Systems	3
ENGT 4220	Communications Systems II	3
ENGT 4500	Occupational Safety and Health	3
ENGT 4991	Special Problem	3

### MANUFACTURING CONCENTRATION

<b>General Education (see TBR Common Core)</b>	<b>Credit Hours 41</b>
<b>University-Wide Freshmen Seminar Requirement</b>	<b>1</b>

### For Engineering Technology Majors

- 1) PHYS 2010 College Physics and PHYS 2011 College Physics Lab (5 Cr. Hr). and PHYS 2020 College Physics and PHYS 2021 College Physics Lab (5 Cr. Hr) will be used to meet core requirements in science.

2) MATH 1530: Elements of Statistics will be used to meet core requirements in mathematics.

## **Lower Division Major ENGT Core Requirements 27**

ENGT 1000	Introduction to Engineering	3
ENGT 1020	Computer Aided Design	3
ENGT 2000	Manufacturing Processes	3
ENGT 2010	DC Circuits	3
ENGT 2020	Robotic Fundamentals	3
ENGT 2030	AC Circuits	3
ENGT 2730	Introduction to Solid Modeling	3
MATH 1730 or ENGT 1200	Precalculus or Applied Math for ENGT	3
MATH 1810 or ENGT 1400	Elements of Calculus Applied Calculus for ENGT	3

## **Upper Division Major ENGT Core Requirements 18**

ENGT 3000	Materials Science	3
ENGT 3010	Engineering Economics	3
ENGT 3020	Statics and Strengths of Materials	3
ENGT 3030	Thermodynamics	3
ENGT 3040	Power Transfer	3
ENGT 3050	Problem Solving	3

## **MAJOR CONCENTRATIONS (36 HOURS)**

	<b>Credit Hours</b>
<b>Manufacturing Concentration Core</b>	<b>18</b>
ENGT 3610	3
ENGT 3800	3
ENGT 3810	3
ENGT 4120	3
ENGT 4800	3
ENGT 4850	3

	<b>Credit Hours</b>
<b>Manufacturing</b>	<b>18</b>
ENGT 3830	3
ENGT 4720	3
ENGT 4810	3
<i>Plus 9 credit hours from the following ENGT Electives:</i>	
ENGT 3100	3
ENGT 3650	3
ENGT 3660	3
ENGT 3840	3
ENGT 3990	3
ENGT 4150	3
ENGT 4500	3
ENGT 4710	3
ENGT 4870	3
ENGT 4991	3

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## MANUFACTURING CONCENTRATION WITH ROBOTICS EMPHASIS

	Credit Hours
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshmen Seminar Requirement</b>	<b>1</b>

### For Engineering Technology Majors

- 1) PHYS 2010 College Physics and PHYS 2011 College Physics Lab (5 Cr. Hr), and PHYS 2020 College Physics and PHYS 2021 College Physics Lab (5 Cr. Hr) will be used to meet core requirements in science.
- 2) MATH 1530: Elements of Statistics will be used to meet core requirements in mathematics.

### Lower Division Major ENGT Core Requirements: **24**

ENGT 1000	Introduction to Engineering	3
ENGT 1020	Computer Aided Design	3
ENGT 2000	Manufacturing Processes	3
ENGT 2010	DC Circuits	3
ENGT 2020	Robotic Fundamentals	3
ENGT 2030	AC Circuits	3
ENGT 2730	Introduction to Solid Modeling	3
MATH 1730 or MATH 1810 or ENGT 1200	Precalculus or Elements of Calculus or Applied Math for ENGT	3

### Upper Division Major ENGT Core Requirements **18**

ENGT 3000	Materials Science	3
ENGT 3010	Engineering Economics	3
ENGT 3020	Statistics and Strengths of Materials	3
ENGT 3030	Thermodynamics	3
ENGT 3040	Power Transfer	3
ENGT 3050	Problem Solving	3

## MAJOR CONCENTRATIONS (36 HOURS)

### Manufacturing Concentration with Robotics Core Credit Hours **18**

ENGT 3610	Production Operation Management	3
ENGT 3800	Computer Aided Manufacturing	3
ENGT 3810	Plastic Manufacturing	3
ENGT 4150	Sensor and Vision	3
ENGT 4800	Machine Design	3
ENGT 4850	Comp Integrated Manufacturing	3

### Robotics **18**

ENGT 3100	Robotic Applications	3
ENGT 3220	Digital I	3
ENGT 3230	Microprocessor	3
ENGT 4120	Sensor and Vision	3
ENGT 4150	Programmable Logic Controllers	3

*Plus 3 credit hours from the following ENGT Electives:*

ENGT 3250	Digital Design II	3
ENGT 3650	Statistical Quality Control	3
ENGT 3830	Metal Manufacturing	3

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ENGT 3990	Cooperative Work Experience II	3
ENGT 4500	Occupational Safety and Health	3
ENGT 4810	Advanced Manufacturing	3
ENGT 4991	Special Problem	3

### GENERAL CONCENTRATION WITH CIVIL SPECIALIZATION

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshmen Seminar Requirement</b>	<b>1</b>

#### For Engineering Technology Majors

- 1) PHYS 2010 College Physics and PHYS 2011 College Physics Lab (5 Cr. Hr), and PHYS 2020 College Physics and PHYS 2021 College Physics Lab (5 Cr. Hr) will be used to meet core requirements in science.
- 2) MATH 1530: Elements of Statistics will be used to meet core requirements in mathematics.

#### Lower Division Major ENGT Core Requirements 24

ENGT 1000	Introduction to Engineering	3
ENGT 1020	Computer Aided Design	3
ENGT 2000	Manufacturing Processes	3
ENGT 2010	DC Circuits	3
ENGT 2020	Robotic Fundamentals	3
ENGT 2030	AC Circuits	3
ENGT 2730	Introduction to Solid Modeling	3
MATH 1730 or MATH 1810 or ENGT 1200	Precalculus or Elements of Calculus or Applied Math for ENGT	3

#### Upper Division Major ENGT Core Requirements 18

ENGT 3000	Materials Science	3
ENGT 3010	Engineering Economics	3
ENGT 3020	Statics and Strengths of Materials	3
ENGT 3030	Thermodynamics	3
ENGT 3040	Power Transfer	3
ENGT 3050	Problem Solving	3

### MAJOR CONCENTRATIONS (36 HOURS)

#### General Concentration Core 24

ENGT 3100	Robotic Applications	3
ENGT 3200	Electronics Fundamentals I	3
ENGT 3220	Digital Design I	3
ENGT 3840	Dynamics	3
ENGT 3850	Manufacturing Process II	3
ENGT 4500	Occupational Safety	3
ENGT 4150	Programmable Logic Controllers	3
ENGT 4720	Advanced CAD	3

#### Civil Specialization

<b>Plus 12 credit hours from the following ENGT Electives:</b>	<b>12</b>	
ENGT 1720	Plane Surveying	3

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ENGT 2500	Construction Materials and Methods	3
ENGT 3500	Contracts Management	3
ENGT 3710	Introduction to Environmental Engineering Technology	3
ENGT 3720	Architectural CAD	3
ENGT 3790	Construction Planning and Estimating	3
ENGT 3990	Cooperative Work Experience II	3
ENGT 4020	Architectural Structure Design	3
ENGT 4710	Fluid Mechanics	3

### GENERAL CONCENTRATION WITH MECHANICAL SPECIALIZATION

Credit Hours

<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshmen Seminar Requirement</b>	<b>1</b>

#### For Engineering Technology majors

- 1) PHYS 2010 College Physics and PHYS 2011 College Physics Lab (5 Cr. Hr), and PHYS 2020 College Physics and PHYS 2021 College Physics Lab (5 Cr. Hr) will be used to meet core requirements in science.
- 2) MATH 1530: Elements of Statistics will be used to meet core requirements in mathematics.

#### Lower Division Major ENGT Core Requirements **27**

ENGT 1000	Introduction to Engineering	3
ENGT 1020	Computer Aided Design	3
ENGT 2000	Manufacturing Processes	3
ENGT 2010	DC Circuits	3
ENGT 2020	Robotic Fundamentals	3
ENGT 2030	AC Circuits	3
ENGT 2730	Introduction to Solid Modeling	3
MATH 1730 or ENGT 1200	Precalculus or Applied Math for ENGT	3
MATH 1810 or ENGT 1400	Elements of Calculus or Applied Calculus for ENGT	3

#### Upper Division Major ENGT Core Requirements **18**

ENGT 3000	Materials Science	3
ENGT 3010	Engineering Economics	3
ENGT 3020	Statics and Strengths of Materials	3
ENGT 3030	Thermodynamics	3
ENGT 3040	Power Transfer	3
ENGT 3050	Problem Solving	3

### MAJOR CONCENTRATIONS: (36 HOURS)

Credit Hours

<b>General Core</b>	<b>24</b>	
ENGT 3100	Robotic Applications	3
ENGT 3200	Electronics I	3
ENGT 3220	Digital I	3
ENGT 3840	Dynamics	3

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ENGT 3850	Manufacturing Processes II	3
ENGT 4500	Occupational Safety	3
ENGT 4150	Programmable Logic Controllers	3
ENGT 4720	Advanced CAD	3

### Mechanical Specialization

**Plus 12 credit hours from the following ENGT Electives: 12**

ENGT 3790	Construction Planning and Estimating	3
ENGT 3810	Plastic Manufacturing	3
ENGT 3990	Cooperative Work Experience II	3
ENGT 4120	Sensor and Vision	3
ENGT 4710	Fluid Mechanics	3
ENGT 4800	Machine Design	3
ENGT 4810 or 4880	Advanced Manufacturing or Refrigeration Machines and Power Systems	3

### GENERAL CONCENTRATION WITH GENERAL SPECIALIZATION

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshmen Seminar Requirement</b>	<b>1</b>

### For Engineering Technology Majors

- 1) PHYS 2010 College Physics and PHYS 2011 College Physics Lab (5 Cr. Hr), and PHYS 2020 College Physics and PHYS 2021 College Physics Lab (5 Cr. Hr) will be used to meet core requirements in science.
- 2) MATH 1530: Elements of Statistics will be used to meet core requirements in mathematics.

### Lower Division Major ENGT Core Requirements 27

ENGT 1000	Introduction to Engineering	3
ENGT 1020	Computer Aided Design	3
ENGT 2000	Manufacturing Processes	3
ENGT 2010	DC Circuits	3
ENGT 2020	Robotic Fundamentals	3
ENGT 2030	AC Circuits	3
ENGT 2730	Introduction to Solid Modeling	3
MATH 1730 or ENGT 1200	Precalculus or Applied Math for ENGT	3
MATH 1810 or ENGT 1400	Elements of Calculus or Applied Calculus for ENGT	3

### Upper Division Major ENGT Core Requirements 18

ENGT 3000	Materials Science	3
ENGT 3010	Engineering Economics	3
ENGT 3020	Statics and Strengths of Materials	3
ENGT 3030	Thermodynamics	3
ENGT 3040	Power Transfer	3
ENGT 3050	Problem Solving	3

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### MAJOR CONCENTRATIONS (36 HOURS)

#### General Core

	<b>Credit Hours</b>
ENGT 3100 Robotic Applications	<b>24</b> 3
ENGT 3200 Electronics I	3
ENGT 3220 Digital I	3
ENGT 3840 Dynamics	3
ENGT 3850 Manufacturing Process II	3
ENGT 4500 Occupational Safety	3
ENGT 4150 Programmable Logic Controllers	3
ENGT 4720 Advanced CAD	3

#### General Specializations Electives

**12**

Plus twelve (12) hours of electives from the following: any ENGT courses, any APSU courses or transfer credit in engineering technology, engineering, computer science, or another technology related field. Courses should be in a common area, and are subject to departmental approval. Other courses in Engineering Technology are recommended. This includes technological A.A.S. degree programs offered by APSU at Fort Campbell and similar programs at community colleges. It also includes all technically oriented military training.

### ENGINEERING TECHNOLOGY MINOR (FOR NON-ENGT MAJORS – 18 HOURS)

	<b>Credit Hours</b>
ENGT 1000 or 3820 Introduction to Engineering or Technology and Society	3
ENGT 1020 Computer Aided Design	3
ENGT 2000 Manufacturing Processes	3
ENGT 2010 DC Circuits	3
ENGT 2020 Robotic Fundamentals	3
one Elective from ENGT courses	3

## Department of Professional Studies

### School of Technology and Public Management

Location: SSG Glenn H. English, Jr., Army Education Center

Bldg. 202 - Room 138, Fort Campbell, KY

Phone: 931-221-1439

Website: [ww.apsu.edu/apfc/degrees/BSPS.htm](http://ww.apsu.edu/apfc/degrees/BSPS.htm)

The Bachelor of Science degree program in Professional Studies prepares graduates for a variety of careers by encompassing managerial, organizational, and communication skills along with technical and associate degree level competencies. This program is offered both in the traditional classroom setting and online. Nontraditional students comprise the majority of the Professional Studies classes, and they contribute a wealth of knowledge and experiences.

### PROFESSIONAL STUDIES (B.S.P.S.)

The bachelor's degree in Professional Studies is designed as a degree-completion program. Credit hours earned through associate degree programs, other universities, military transfer credits, and/or credit awarded for certifications may be applied toward the 120-credit hours needed to earn the degree.

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The degree consists of a common general education core, upper division major requirements and electives, as well as an applied technology concentration or a minor combined with elective credits to meet the 120 credit hours for graduation. The bachelor's degree in Professional Studies provides an opportunity for a seamless transition from the associate degree in order to help meet an individual student's educational and career goals. Students work closely with their academic advisors in determining their curriculum requirements. They also are frequently working toward the degree completion within a cohort of approximately 20 other classmates.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Professional Studies Major Requirements</b>	<b>30</b>
PTMA 3010      Management of Organizations	3
PTMA 3020      Managing Information Technology	3
PTMA 3050      Cultural Diversity in Organizations	3
PTMA 3140      Survey of the Legal Process or	
PM 3140          Introduction to the Legal Process	3
PTMA 3240      Survey of the Legal Process or	
PM 3240          Public Budgeting and Financial Management	3
PTMA 3600      Organizational Marketing	3
PTMA 4020      Written Professional Communications	3
PTMA 4400      Strategic Planning for Organizations	3
PTMA 4990      BSPS Capstone	3
<b>Professional Studies Electives</b>	<b>9</b>
<i>Select three courses from:</i>	
PTMA 3000      Organizational Team Building	3
PTMA 3070      Professional Development	3
PTMA 3230      Workforce Management	3
PTMA 3650      Global Marketing	3
PTMA 3990      Contract Management	3
PTMA 4100      Economic Issues for Organizations	3
PTMA 4500      Management of Operations	3
PTMA 4600      Project Management	3
PTMA 4800      Organizational Training and Development	3
<b>Electives</b>	
<i>Choose One of the following Options:</i>	
Option 1:      Transfer Hours and/or General Education Electives	39
Option 2:      Approved University Minor and General Education Electives	39
<b>Administrative Management Minor</b>	<b>24</b>
(see course requirements on the link under the 08-09 Bulletin--this minor approved after publication)	
<b>Computer Applications Minor</b>	<b>24</b>
(see course requirements on the link under the 08-09 Bulletin--this minor approved after publication)	

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## Department of Public Management

### School of Technology and Public Management

Location: SSG Glenn H. English, Jr., Army Education Center

Bldg. 202 - Room 138, Fort Campbell, KY

Phone: 931-221-1480

Website: <http://www.apsu.edu/apfc/degrees/pubmgt.htm>

The Public Management program is a preprofessional major aimed at providing students with technical and managerial skills plus practical work experience.

### PUBLIC MANAGEMENT (B.S.)

Students will have the opportunity to accept the challenge of a wide range of occupational interests which have a common focus within the public or quasi-public sectors. The student is equipped with courses providing a solid background in general areas of public management.

	<b>Credit Hours</b>
<b>GENERAL EDUCATION (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Lower Division Major Requirements</b>	<b>9</b>
ACCT 2010 or MT 2010	
Principles of Accounting or Accounting Survey	3
ECON 2010	3
Economics	3
POLS 2010	3
American National Government	3
<b>Upper Division Major Requirements</b>	<b>30</b>
PM 3200	3
Public Sector Management	3
PM 3230	3
Public Personnel Administration	3
PM 3235	3
Public Policy Analysis	3
PM 3240	3
Public Budget and Financial Mgmt.	3
PM 3250	3
Urban Planning	3
PM 3760	3
Research for Administrators	3
PM 4120	3
Organizational Theory and Behavior	3
PM 4810	3
Professional Seminar	3
PM 4860	6
Public Mgmt., Internship, and Practice	6
<b>Concentration/Minor</b>	<b>21</b>
Students may choose a minor from any of those offered by the University or an area of concentration from those listed below:	
Criminal Justice Alt 1/Alt 2	
General Management	
<b>Electives (see advisor)</b>	<b>18/21</b>
<b>Public Management Minor</b>	<b>21</b>

(see link under 08-09 bulletin for course requirements--this minor approved after publication)

## Criminal Justice

### **CRIMINAL JUSTICE: HOMELAND SECURITY (B.S.)**

The Criminal Justice/Homeland Security degree will prepare you for a successful career in a growing field by supplying you with up-to-date information as well as a broad understanding of theory and practice in the field. Whether you are called on to create a plan of emergency prevention, preparation, recovery or offer insight into possible terrorist motivations, you will be ready to make a difference.

	<b>Credit Hours</b>
<b>General Education (see TBR Common Core)</b>	<b>41</b>
<b>University-Wide Freshman Seminar Requirement</b>	<b>1</b>
<b>Lower Division Major Requirements</b>	<b>3</b>
CRJ 1010 or PM 3150	
Introduction to Criminal Justice or The American Criminal Justice System	3
<b>Upper Division Major Requirements</b>	<b>36</b>
CRJ 3000	3
CRJ 3010 or PM 3170	
Constitutional Law	3
Criminal Law	3
CRJ 3020 or PM 3180	
Criminal Evidence and Procedure or Criminal Procedures	3
CRJ 3030	3
CRJ 3100	3
CRJ 3400	3
CRJ 3410	3
CRJ 3420	3
CRJ 3430	3
CRJ 3440	3
CRJ 4000 or PM 3230	
Law Enforcement Administration or Personnel Administration	3
PM 3760	3
Methods of Research and Administration	3
<b>INTERDISCIPLINARY CONCENTRATION</b>	
<i>Select six courses from five of the following options:</i>	<b>18</b>
<b>Option 1</b>	
CRJ 3040	3
CRJ 3210	3
CRJ 3220	3
CRJ 3300	3
CRJ 4200	3
CRJ 4860	6
<b>Option 2</b>	
PM 3160	3
PM 3200	3

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PM 3235	Public Policy Analysis	3
PM 3240	Public Budgeting and Management	3
PM 4320	Administrative Law	3
PM 4330	Political Aspects of Criminal Behavior	3

### Option 3

GSS 2010	Global Security Studies	3
POLS 2010	American National Government	3
POLS 2040	Introduction to Public Policy	3
POLS 2070	International Politics	3
POLS 3040	U. S. Defense Policy	3
POLS 3070	Theories of International Relations	3
POLS 4030	Women and Politics	3
POLS 4070	Politics in the American States	3

### Option 4

PSY 2210	Human Interaction	3
PSY 3330	Social Psychology	3
PSY 4060	Group Dynamics	3
PSY 4360	Abnormal Psychology	3

### Option 5

PHIL 380B	Islam as a Worldview	3
PHIL 380C	The Battle for God	3
SOC 2050	Social Problems	3
SOC 3040	Urban Sociology	3
SOC 3050	Race Relations	3
SOC 3140	Deviant Behavior	3
SOC 3200	Crime and Delinquency	3
SW 3440	Crisis Intervention	3
SW 4440	Law and Social Work	3

### Guided Electives

**22**

NOTE: Electives should be guided, that is, selected in consultation with the academic advisor to achieve maximum benefit from the degree program. The electives may be taken from any college/school of the University.

# **Associate of Applied Science Degree (A.A.S.)**

## **School of Technology and Public Management**

Location: SSG Glenn H. English, Jr., Army Education Center

Bldg. 202 - Room 138, Fort Campbell, KY

Phone: 931-221-1437

Website: <http://www.apsu.edu/apfc/degrees/ComputerScience.htm>

## **COMPUTER TECHNOLOGY AND INFORMATION MANAGEMENT MAJOR**

### **ADMINISTRATIVE MANAGEMENT CONCENTRATION (60 HOURS)**

		<b>Credit Hours</b>
<b>Specific General Education Requirements</b>		<b>15/16</b>
ECON 2010	Principles of Macroeconomics	3
ENGL 1010	English Composition	3
Humanities	(see TBR Common Core)	3
MATH or SCI	(see TBR Common Core)	3/4
Elective	from COMM, HUM, Fine Arts, Social/Behavioral	3
<b>Major Core</b>		<b>18</b>
CTIM 2100	Introduction to Operating Systems	3
CTIM 2110	Information Technology Concepts	3
CTIM 2300	Business Communications	3
CTIM 2350 or MT 2050	Office Management or Principles of Management	3
MT 2010 or ACCT 2010	Accounting Survey or Principles of Accounting I	3
COMM 1010	Fundamentals of Public Speaking	3
<b>Concentration Requirements</b>		<b>24</b>
CTIM 2010	Document Processing I	3
CTIM 2020	Document Processing II	3
CTIM 2040	Word Processing Concepts and Applications	3
CTIM 2130	Spreadsheet Applications	3
CTIM 2140	Database Applications	3
CTIM 2190	Information Management	3
CTIM 2210	Office Systems and Procedures	3
CTIM 2990	Internship in CTIM	3
<b>Electives</b>		<b>3</b>
<i>Select one from:</i>		
CTIM 2050	Advanced Word Processing and Desktop Publishing	3
CTIM 2150	Presentation Graphics Applications	3
CTIM 2170	Web Page Design Applications	3
CTIM 2180	Visual Basic I	3

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### COMPUTER SCIENCE AND ELECTRONICS CONCENTRATION (60/61 HOURS)

	<b>Credit Hours</b>
<b>Specific General Education Requirements</b>	<b>15/16</b>
ECON 2010 Principles of Macroeconomics	3
ENGL 1010 English Composition	3
Humanities Art, Music, or Theatre	3
MATH or SCI (see TBR Common Core)	3/4
Elective from COMM, HUM, Fine Arts, Social/Behavioral	3
<b>Major Core</b>	<b>15</b>
CTIM 2100 Introduction to Operating Systems	3
CTIM 2110 Information Technology Concepts	3
CTIM 2300 Business Communications	3
CTIM 2350 or MT 2050 Office Management or Principles of Management	3
MT 2010 or ACCT 2010 Accounting Survey or Principles of Accounting	3
<b>Concentration Requirements</b>	<b>21</b>
CSCI 1010 Introduction to Programming I	3
CSCI 2010 Introduction to Programming II	3
CSCI 2060 ANS COBOL Programming	3
CSCI 3020 File Processing	3
ET 2030 Digital Electronics Circuits I	3
ET 2040 Digital Electronics Circuits II	3
ET 2320 Microprocessor Circuit Construction	3

### MANAGEMENT TECHNOLOGY MAJOR

#### MANAGEMENT TECHNOLOGY CONCENTRATION (60 HOURS)

	<b>Credit Hours</b>
<b>Specific General Education Requirements</b>	<b>15</b>
COMM 1010 Fundamentals of Public Speaking	3
ECON 1010 Principles of Economics I	3
ENGL 1010 English Composition	3
Humanities Elective (see TBR Common Core)	3
MATH 1010 Mathematical Thought and Practice	3
<b>Concentration Requirements</b>	<b>36</b>
MT 1000 Introduction to Business Environment	3
MT 2010 Accounting Survey	3
MT 2030 Marketing Survey	3
MT 2050 Principles of Management	3
MT 2250 Introduction to Business Law	3
MT 2400 Human Resources Management	3
MT 2550 Small Business Operations	3
MT 2110 Business Statistics	3
MT 2150 Personal Financial Management	3

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CTIM 2110	Microcomputer Fundamentals	3
CTIM 2300	Business Communications	3
CTIM 2350	Office Management and Supervision	3

**Guided Electives: select six (6) hours** **6**

MT 2200	Business and Industrial Safety	3
MT 2270	Business Ethics	3
MT 2370	Human Relations in Business	3
MT 2450	Labor Relations	3
MT 2500	Purchasing and Logistics	3

**Electives** **3**

Select from appropriate courses in the Colleges of Arts and Letters, Science and Mathematics, Professional Programs and Social Sciences, or the School of Technology and Public Management. Students planning to pursue a baccalaureate degree should generally select the electives required to fulfill the baccalaureate Liberal Arts core.

**Specialization: GENERAL BUSINESS**

**Specific General Education Requirements**

**Credit Hours**  
**15**

COMM 1010	Fundamentals of Public Speaking	3
ECON 1010	Principles of Economics I	3
ENGL 1010	English Composition	3
Humanities Elective (see TBR Common Core)		3
MATH 1010	Mathematical Thought and Practice	3

**Specialization Requirements** **30**

ACCT 2010	Principles of Accounting I	3
ACCT 2020	Principles of Accounting II	3
CTIM 2110	Microcomputer Fundamentals	3
ECON 2020	Principles of Economics II	3
MATH 1810	Elements of Calculus	3
MT 1000	Introduction to Business Environments	3
MT 2030	Marketing Survey	3
MT 2050	Principles of Management	3
MT 2250	Introduction to Business Law	3
QM 2110	Business and Economic Statistics I	3

**Guided Electives** **9**

Select 9 hours from B.S. Liberal Arts Core with the minimum hours indicated from each of the following areas:

HIST 2010 or 2020	American History I or II	3
Natural Science with Lab (see TBR Common Core)		4
Humanities (see TBR Common Core)		3

**Electives** **6**

Select from appropriate courses in the Colleges of Arts and Sciences, Business, Education, College of Professional Programs and Social Sciences, or the School of Technology and Public Management. Students planning to pursue a baccalaureate degree should generally select the electives required to fulfill the Liberal Arts core.

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### Specialization: INDUSTRIAL MANAGEMENT

<b>Specific General Education Requirements</b>		<b>Credit Hours</b>
COMM 1010	Fundamentals of Public Speaking	3
ECON 1010	Principles of Economics I	3
ENGL 1010	English Composition	3
Humanities Elective (see TBR Common Core)		3
MATH 1010	Mathematical Thought and Practice	3
<b>Specialization Requirements</b>		<b>36</b>
MT 2050	Principles of Management	3
MT 2110	Business Statistics	3
MT 2120	Statistical Process Control	3
MT 2200	Business and Industrial Safety	3
MT 2250	Intro to Business Law	3
MT 2370	Human Relations in Business	3
MT 2400	Human Resource Management	3
MT 2450	Labor Relations	3
MT 2500	Purchasing and Logistics	3
MT 2570	Production Management	3
CTIM 2300 or ENGL 1100	Business Communications or Technical Report Writing	3
CTIM 2110	Microcomputer Fundamentals	3
<b>Guided Electives: select six (6) hours</b>		<b>6</b>
MT 2010	Accounting Survey	3
MT 2270	Business Ethics	3
MT 2600	Seminar: Special Topics in Industrial Management	3
MT 2350	Office Management and Supervision	3

**Electives** **3**

Select from appropriate courses in the Colleges of Arts and Letters, Science and Mathematics, Professional Programs and Social Sciences, or School of Technology and Public Management. Students planning to pursue a baccalaureate degree should generally select the electives required to fulfill the Liberal Arts core.

### POLICE SCIENCE AND ADMINISTRATION CONCENTRATION (60 HOURS)

#### Specialization I: POLICE ADMINISTRATION

<b>Specific General Education Requirements</b>		<b>Credit Hours</b>
ENGL 1010	English Composition I	3
Humanities and/or Fine Arts (see TBR Common Core)		3
MATH or SCI	(see TBR Common Core)	3/4
PSY 1010 or SOC 2010	General Psychology or Introduction to Sociology	3
Elective	from COMM, HUM, Fine Arts, Social/Behavioral	3
<b>Concentration Requirements</b>		<b>15/16</b>
COR 1090	Constitutional Issues in Law Enforcement	3
LEN 1010	Introduction to Criminal Justice	3

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LEN 1020	Criminal Law and Procedure	3
LEN 1030	Criminalistics	3
LEN 1070	Computers in Law Enforcement	3
LEN 1080	Patrol Procedures and Practices	3
LEN 2010	Police Administration	3
LEN 2020	Criminal Investigation	3
LEN 2030	Criminal Evidence	3
LEN 2040	Drug Identification and Effects	3
LEN 2080	Internship	3

### **Guided Criminal Justice Electives: select twelve (12) hours** **12**

COR 1050	Survey of Correctional Institutions	3
COR 1060	Introduction to Criminology	3
COR 1070	Community-Based Corrections	3
COR 2060	Correctional Management	3
COR 2070	Probation, Pardons, and Parole	3
LEN 1040	Police Firearms	3
LEN 1050	Business and Industrial Security	3
LEN 1060	Evidence Photography	3
LEN 1100	Basic Photography	3
LEN 1110	VIP Executive Protection	3
LEN 1120	Terrorism: Understanding the Threat	3
LEN 1130	Crisis Counseling	3
LEN 1140	Tactical Shotgun	3
LEN 1150	Street Survival Seminar	3
LEN 1160	Accident Reconstruction	3
LEN 1170	Sects, Cults, Deviant Movements	3
LEN 1180	Basic Surveillance Techniques	3
LEN 1190	Unarmed Defensive Tactics	3
LEN 2050	Juvenile Procedures	3
LEN 2110	Criminal Intelligence	3
LEN 2130	Interviewing and Interrogation Techniques	3
LEN 2180	Countering Terrorism	3
LEN 2190	Tactical Training	3

### **Electives** **3**

Select from appropriate courses in the Colleges of Arts and Letters, Science and Mathematics, Professional Programs and Social Sciences, or the School of Technology and Public Management. Students planning to pursue a baccalaureate degree should generally select the electives required to fulfill the baccalaureate Liberal Arts core.

### **Summary of Degree Requirements**

Core of Common Knowledge	15/16
Specialization I: Police Administration	30
Guided Criminal Justice Electives	12
General Elective	3

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### RESTAURANT MANAGEMENT CONCENTRATION (60 HOURS)

#### Specialization I: FOOD SERVICE

<b>Specific General Education Requirements</b>		<b>Credit Hours</b>
ENGL 1010	English Composition I	3
Humanities and/or Fine Arts (see TBR Common Core)		3
MATH or SCI	(see TBR Common Core)	3/4
SOC or BEH SCI	(see TBR Common Core)	3
COMM 1010	Fundamentals of Public Speaking	3
Elective	from COMM, HUM, Fine Arts, Social/Behavior Science	3

<b>Concentration Requirements</b>		<b>42</b>
FS 1100	Basic Food Service and Sanitation	3
FS 1300	Food Preparation–Breakfast	3
FS 1400	Food Preparation–Lunch	3
FS 1500	Food Preparation–Dinner	3
FS 2040	Cake Decorating	3
FS 2050	Ice Sculpture	3
FS 2100	Food Preparation–Buffet Catering	3
FS 2200	Gourmet Foods	3
FS 2300	Food Management Operation and Administration	3
FS 2400	Facility Layout and Volume Food Management	3
FS 2500	Decoration and Design	3
FS 2600	Nutrition and Menu Planning	3
FS 2980	Culinary Skills	3
FS 2990	Supervised Field Study	3

#### Specialization II: CULINARY ARTS

<b>Specific General Education Requirements</b>		<b>Credit Hours</b>
ENGL 1010	English Composition I	3
Humanities and/or Fine Arts (see TBR Common Core)		3
MATH or SCI	(see TBR Common Core)	3/4
SOC or BEH SCI	(see TBR Common Core)	3
COMM	Fundamentals of Public Speaking	3

<b>Concentration Requirements</b>		<b>36</b>
CA 2000	Introduction to the Culinary Operation	3
CA 2100	Sanitation and Safety	3
CA 2200	Nutrition and Menu Planning	3
CA 2300	Culinary Food Preparation	3
CA 2400	Food and Beverage Management	3
CA 2410	Dining Room Service	3
CA 2420	Catering and Banquet Management	3
CA 2510	Human Relation/Management	3
CA 2520	Garden Manager	3
CA 2530	Purchasing and Receiving	3
CA 2800	International Food Preparation	3
CA 2900	Field Study in the Culinary Operation	3

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<b>Guided Electives: select nine (9) hours from</b>		<b>9</b>
CA 2500	Culinary Baking	3
CA 2600	Bar Service	3
CA 2700	Bar Management	3
CA 2710	Meat Cutting and Processing	3
FS 2500	Decoration and Design	3
FS 2200	Gourmet Foods	3
FS 2980	Culinary Skills	3

**Electives** **3**

Select from appropriate courses in the Colleges of Arts and Letters, Science and Mathematics, Professional Programs and Social Sciences, or the School of Technology and Public Management. Students planning to pursue a baccalaureate degree should generally select the electives required to fulfill the baccalaureate Liberal Arts core.

### OCCUPATIONAL STUDIES MAJOR

#### AUTOMOTIVE TECHNOLOGY CONCENTRATION (60 HOURS)

<b>Specific General Education Requirements</b>	<b>Credit Hours</b>
	<b>15/16</b>
ENGL 1010 English Composition I	3
Humanities and/or Fine Arts (see TBR Common Core)	3
Natural Science/Math (see TBR Common Core)	3/4
Social/Behavior Science (see TBR Common Core)	3
COMM Fundamentals of Public Speaking	3

**Lower Division Major Requirements** **42**

AT 1050	Basic Automobile Shop Practices	3
AT 1240	Fuel Systems	3
AT 1300	Engine Power Mechanics	3
AT 1350	Manual Drive Train and Axles	3
AT 1400	Automotive Braking Systems	3
AT 1450	Automotive Electrical Systems	3
AT 2000	Automotive Suspension, Steering, and Wheel Alignment	3
AT 2250	Engine Rebuilding	3
AT 2300	Advanced Automotive Electronics	3
AT 2350	Automatic Transmission	3
AT 2400	Auto Air-Conditioning, Heating, and Ventilation System	3
AT 2550	Computerization and Systems Monitoring	3
AT 2570	Advance Engine Performance, Diagnosis, and Service	3
AT 2590	Advanced Automatic Transmissions	3

**Guided Electives: select three (3) hours from** **3**

AT 2600	Production Mechanics	3
AT 2630	Introduction to Hybrid Vehicles	3
AT 2830	Significant Safety Hazards and Concerns	3

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### CONSTRUCTION TECHNOLOGY CONCENTRATION (60 HOURS)

*Students must select the specialization in General Construction or Metal Construction.*

#### Specialization I: GENERAL CONSTRUCTION

An Associate of Applied Science degree in construction technology qualifies you to continue into an advanced program of study or obtain entry-level positions in a variety of today's construction jobs, such as specialization in General Construction or Metal Construction.

<b>Specific General Education Requirements</b>		<b>Credit Hours</b>
ENGL 1010	English Composition I	3
MATH or SCI	(see TBR Common Core)	3/4
PSY 1010 or SOC 2010	General Psychology or Introduction to Sociology	3
Gen Ed Elective	(see TBR Common Core)	3
Humanities	(see TBR Common Core)	3
<b>Lower Division Major Requirements</b>		<b>27</b>
CT 1210	Construction Surveying	3
CT 1320	Construction Drawing	3
CT 1430	Blueprint Reading and Sketching I	3
CT 1620	Masonry Construction	3
CT 1680	Applied Electricity	3
CT 1820	Introductory Plumbing	3
CT 2430	Blueprint Reading and Sketching II	3
CT 2440	General Heating and Air-Conditioning I	3
CT 2530	General Contracting	3
<b>Guided Electives:</b>		<b>15</b>
CT 1000	Home Repair and Maintenance	3
CT 1300	Blueprint Reading and Leveling Instruments	3
CT 1330	Introductory Carpentry	3
CT 1400	Systems Controls	3
CT 2320	Construction Drawing II	3
CT 2330	Advanced Carpentry I	3
CT 2340	Advanced Carpentry II	3
CT 2350	Advanced Carpentry III	3
CT 2450	Advanced Heating and Air-Conditioning I	3
CT 2460	Advanced Heating and Air-Conditioning II	3
CT 2520	Contracts and Specifications	3
CT 2540	Construction Enterprise	3
CT 2620	Advanced Masonry Construction I	3
CT 2630	Advanced Masonry Construction II	3
CT 2650	Concrete Construction	3
CT 2680	Electrical Wiring	3
CT 2690	Construction Wiring	3
CT 2700	Industrial Wiring and Maintenance	3
CT 2820	Advanced Plumbing I	3
CT 2830	Advanced Plumbing II	3
CT 2850	Traps, Fixtures and Appliances	3
CT 2900	Internship	3

## Electives: General Construction

**3**

Select from appropriate courses in the Colleges of Arts and Letters, Science and Mathematics, Professional Programs and Social Sciences, or the School of Technology and Public Management. Students planning to pursue a baccalaureate degree should generally select the electives required to fulfill the Liberal Arts core.

## Specialization II: METAL CONSTRUCTION

**Credit Hours**

### Specific General Education Requirements

**15/16**

ENGL 1010	English Composition I	3
MATH or SCI	(see TBR Common Core)	3/4
PSY 1010 or SOC 2010		
	General Psychology or Introduction to Sociology	3
Gen Ed Elective	(see TBR Common Core)	3
Humanities	(see TBR Common Core)	3

### Lower Division Major Requirements

**42**

CT 1430	Blueprint Reading and Sketching I	3
CT 1680	Applied Electricity	3
CT 2520	Contracts and Specifications	3
WT 1050	Introduction to Welding Processes	3
WT 1150	Basic Oxy-Acetylene Welding	3
WT 1250	Basic Arc Welding	3
WT 1300	Basic Tungsten Inert Gas Welding	3
WT 2050	Metal Inert Gas Welding	3
WT 2250	Advanced Arc Welding	3
WT 2350	Advanced Tungsten Inert Gas Welding	3
WT 2450	Specialized Welding Processes	3
WT 2550	Principles of Pipe Welding	3
WT 2650	Welding Metallurgy and Blueprint Symbols	3
WT 2700	Certification Practices–Plate Welding	3

## Electives: Metal Construction

**3**

Select from appropriate courses in the Colleges of Arts and Letters, Science and Mathematics, Professional Programs and Social Sciences, or the School of Technology and Public Management. Students planning to pursue a baccalaureate degree should generally select the electives required to fulfill the Liberal Arts core.

## ELECTRONICS TECHNOLOGY CONCENTRATION (60 HOURS)

*Students must select the specialization in Electronic Communications or Computer Technology.*

### Specialization I: ELECTRONIC COMMUNICATIONS

**Credit Hours**

#### Specific General Education Requirements

**15**

COMM 1010	Fundamentals of Public Speaking	3
ENGL 1010	English Composition	3
HUM Elective	(see TBR Common Core)	3
PHYS 1020 (without lab)	Understanding the Physical World	3
PSY 1010 or SOC 2010	General Psychology or Introduction to Sociology	3

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<b>Lower Division Major Requirements</b>		<b>42</b>
ET 1030	DC Fundamentals and Circuits	3
ET 1040	AC Fundamentals and Circuits	3
ET 1120	Advanced Mathematics in Electronics	3
ET 1150	Calculus for Electronics	3
ET 1230	Electronic Fundamentals and Circuits I	3
ET 1240	Electronic Fundamentals and Circuits II	3
ET 2030	Digital Electronics Circuits I	3
ET 2040	Digital Electronics Circuits II	3
ET 2140	Communication Circuits I	3
ET 2150	Communication Circuits II	3
ET 2320	Microprocessor Circuits Construction	3
ET 2330	Electronic Projects	3
ENGT 2020	Robotics Fundamentals	3
MATH 1530	Elements of Statistics	3

<b>Electives: select one course from</b>		<b>3</b>
ET 1010	Introduction to Electronic Technology	3
ET 1210	Electronic Test Equipment	3
ENGT 1020	Computer-Aided Drafting and Design	3

OR

Select from appropriate courses in the Colleges of Arts and Letters, Science and Mathematics, Professional Programs and Social Sciences, or the School of Technology and Public Management. Students planning to pursue a baccalaureate degree should generally select the electives required to fulfill the baccalaureate Liberal Arts core.

NOTE: A student in the A.A.S. Electronics Technology Program desiring to later pursue a B.S. in Engineering Technology may substitute the appropriate engineering courses for the listed electronic courses.

### Specialization II: COMPUTERTECHNOLOGY

<b>Specific General Education Requirements</b>		<b>Credit Hours</b>
COMM 1010	Fundamentals of Public Speaking	3
ENGL 1010	English Composition	3
HUM Elective	(see TBR Common Core)	3
PHYS 1020 (without lab)	Understanding the Physical World	3
PSY 1010 or SOC 2010	General Psychology or Introduction to Sociology	3

<b>Lower Division Major Requirements</b>		<b>42</b>
ET 1030	DC Fundamentals and Circuits	3
ET 1040	AC Fundamentals and Circuits	3
ET 1120	Advanced Mathematics in Electronics	3
ET 1150	Calculus for Electronics	3
ET 1230	Electronic Fundamentals and Circuits I	3
ET 1240	Electronic Fundamentals and Circuits II	3
ET 2030	Digital Electronics Circuits I	3
ET 2040	Digital Electronics Circuits II	3
ET 2320	Microprocessor Circuits Construction	3
ET 2410	Digital Communications	3
ET 2420	Introduction to Computer Architecture	3

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ET 2430	Introduction to Operating Systems	3
ET 2440	Introduction to Programmable Controllers	3

**Electives: select one course from** **3**

ET 1010	Introduction to Electronic Technology	3
ET 1210	Electronic Test Equipment	
ENGT 1020	Computer-Aided Drafting and Design	3
ENGT 2020	Robotics Fundamentals	3

OR

Select from appropriate courses in the Colleges of Arts and Letters, Science and Mathematics, Professional Programs and Social Sciences, or the School of Technology and Public Management. Students planning to pursue a baccalaureate degree should generally select the electives required to fulfill the baccalaureate Liberal Arts core.

NOTE: A student in the A.A.S. Electronic Technology Program desiring to later pursue a B.S. in Engineering Technology may substitute the appropriate engineering courses for the listed electronic courses.

# School of Technology and Public Management Course Descriptions

## Glossary for Course Descriptions

This section lists undergraduate courses offered by the University and available for credit. Courses are listed in alphabetical order. The subject codes for courses are also listed below.

Automotive Technology	AT
Computer Technology and Information Management	CTIM
Construction Technology	CT
Corrections Management	COR
Criminal Justice	CRJ
Culinary Arts	CA
Electronics Technology	ET
Engineering Technology	ENGT
Food Service Technology	FS
Management Technology	MT
Police Science and Administration	LEN
Professional Studies	PTMA
Public Management	PM
Welding Technology	WT

### **AUTOMOTIVE TECHNOLOGY (AT)**

Following are course descriptions for technical courses taught exclusively at Fort Campbell.

#### **AT 1050 Basic Automobile Shop Practices (3)**

Fundamentals of shop safety, shop procedures, tool use, and automobile servicing. Auto systems and components will be limited to nomenclature and functions as related to proper assembly.

## 432 School of Tech and Public Mgt Course Descriptions

### **AT 1240 Fuel Systems (3)**

Techniques and procedures for overhaul and service of the fuel systems; diagnosis and testing procedures.

### **AT 1300 Engine Power Mechanics (3)**

The engine as a prime mover and the methods of its utilization. Methods of design and construction of internal combustion engine components as related to gasoline and diesel engines. Operation, care and service, testing and diagnosing functional troubles, and necessary minor repairs and adjustments.

### **AT 1350 Manual Drive Train and Axles (3)**

Principles and functions of automotive power train systems: clutches, standard transmissions, power transfer coupling devices, and differentials. Identification of trouble, servicing, and repairs.

### **AT 1400 Automotive Braking Systems (3)**

Practical job instruction on theory, adjustment, and repair of braking systems. Units studied will be coefficient of friction as related to various materials used for braking purposes, as well as hydraulic, electrical, and air braking systems.

### **AT 1450 Automotive Electrical Systems (3)**

Fundamental principles of electricity as used by the auto technician, electrical components of the automobile, and electrical schematics.

### **AT 2000 Automotive Suspension, Steering, and Wheel Alignment (3)**

Principles and functions of the components of the automotive chassis and steering system. The theory of alignment. Why automobiles set according to specifications act differently. Practical job instruction on diagnosis and repairing of suspension and steering components. Diagnosis and correction of wheel alignment angles.

### **AT 2250 Engine Rebuilding (3)**

*Prerequisite:* AT 1300 or permission of instructor

The disassembly of the internal combustion engine, taking measurements for the purpose of repairing or replacing damaged components to bring the engine to operating specifications, and reassembly of the engine.

### **AT 2300 Advanced Automotive Electronics (3)**

*Prerequisite:* AT 1450 or permission of instructor

Theory, construction, testing, and application of electronic devices of the automobile. Analysis of electronic instruments, how they work, what they do, and their limitations to automotive electronics systems diagnosis. Practical problem solving in digital instrumentation, control modules, and other automotive electronic devices.

### **AT 2350 Automatic Transmissions (3)**

Principles and theories of automatic transmissions, including troubleshooting and overhaul procedures of hydraulically operated transmissions, torque converters, and fluid couplings used with automatic transmissions common to the automotive field.

## School of Tech and Public Mgt Course Descriptions 433

### **AT 2400 Auto Air Conditioning, Heating, and Ventilation Systems (3)**

Types of air conditioning, heating, and ventilating systems used in the automobile. Problem diagnosis and servicing will be employed.

### **AT 2550 Computerized and Systems Monitoring (3)**

*Prerequisite:* AT 2300 or permission of instructor

Theory, diagnosis, and repair procedures of computerized engine components used for reduction of automobile emissions, and various electronic monitoring systems for data readout of specialized processes.

### **AT 2570 ADVANCED ENGINE PERFORMANCE, DIAGNOSIS, AND SERVICE (3)**

*Prerequisites:* AT 1240, 2550

Diagnosis and repair of automotive fuel, emission, and ignition; electronic and computer systems; and use of electronic test equipment.

### **AT 2590 Advanced Automotive Transmissions (3)**

*Prerequisite:* AT 2350 or permission of advisor

Further instruction in automatic transmissions and transaxles, including principles of operation, troubleshooting, and overhaul procedures on hydraulically operated transmissions and transaxles; torque converters; fluid couplings; and computerized transmission and transaxle system controls.

### **AT 2600 Production Mechanics (3)**

*Prerequisites:* AT 1400, 2000, 2250, 2350, 2550, 2570, elective or permission of instructor

Line and simulated work on all phases of automobile mechanics.

### **AT 2630 Introduction to Hybrid Vehicles (3)**

*Prerequisite:* AT 1450, 2300

Introduction to hybrid vehicle propulsion systems. Hybrid vehicle designs, fundamentals of 3-phase permanent magnet and ac induction motor/generator systems. Fundamentals of high voltage battery pack and energy management systems. Introduction to hybrid vehicle systems diagnosis, service, and repair.

### **AT 2830 Significant Safety Hazards and Concerns (3)**

The course is designed to focus on matters associated with health and safety relating to the environment, including air water quality, and sanitization. Areas of concentration include hazardous, and materials, their storage and handling. Additional study includes waste management and cleanup as well as detail study of environmental laws, regulations, and protection of workers involved in activities associated with hazardous materials.

## **COMPUTER TECHNOLOGY AND INFORMATION MANAGEMENT (CTIM)**

Following are course descriptions for technical courses taught exclusively at Fort Campbell.

### **CTIM 2000 Keyboarding (3)**

Basic alphanumeric instruction on the computer keyboard. Emphasis will be placed on speed and accuracy. Simple business documents will be introduced.

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### **CTIM 2010 Document Processing I (3)**

*Prerequisite:* CTIM 2000 or equivalent skills

A continuation of keyboarding skills essential to document processing. Involves processing intermediate level office correspondence/forms/reports.

### **CTIM 2020 Document Processing II (3)**

*Prerequisite:* CTIM 2010 or equivalent skills

Refinement of keyboarding office production skills using complex forms and documents. Simulated office activities are implemented.

### **CTIM 2040 Word Processing Concepts and Applications (3)**

*Prerequisite:* CTIM 2020 or equivalent skills

Emphasis is placed on basic word processing concepts and integration with typical office word processing applications.

### **CTIM 2050 Advanced Word Processing and Desktop Publishing (3)**

*Prerequisite:* CTIM 2040

Produce complex documents using advanced word processing functions and desktop publishing applications.

### **CTIM 2100 Introduction of Operating Systems (3)**

Introduction to the hardware and software of microcomputers; instruction on configuring and troubleshooting of microsystems: Windows instruction.

### **CTIM 2110 Information Technology Concepts (3)**

Computer terminology, professional ethics and social implications of computers.

Introduction to networking concepts, protocols, communication services, e-business applications, network security, and emerging initiatives.

### **CTIM 2120 Integrated Software Applications (3)**

*Prerequisites:* CTIM 2100 or 2110 or equivalent skills

Integrated software concepts which include word processing, spreadsheets, database management, graphics, and communications.

### **CTIM 2121 Advanced Integrated Software Applications (3)**

*Prerequisite:* CTIM 2120

Advanced integrated software concepts and applications of word processing, spreadsheets, database management, graphics, and communications for business situations.

### **CTIM 2130 Spreadsheet Applications (3)**

*Prerequisite:* CTIM 2100 or 2110 or equivalent skills

Basic business applications using spreadsheet software. Create professional looking workbooks using templates; create multiple worksheets; and work with formulas and functions. Case-based, problem-solving approach used.

### **CTIM 213A Microcomputer Applications: Word Processing (1.5)**

*Prerequisites:* CTIM 2100, 2110 or equivalent skills

Microcomputer-based word processing software, creating, editing, and manipulating documents of varying sophistication.

### **CTIM 213B Microcomputer Applications: Spreadsheets (1.5)**

*Prerequisites:* CTIM 2100, 2110 or equivalent skills

Microcomputer-based spreadsheet software for business application; spreadsheet documents will be produced for a variety of applications.

### **CTIM 213C Microcomputer Applications: Database (1.5)**

*Prerequisites:* CTIM 2100, 2110 or equivalent skills

Concepts of database management system using microcomputer database software to apply and validate these concepts.

### **CTIM 213D Microcomputer Applications: Desktop Publishing (1.5)**

*Prerequisites:* CTIM2100, 2110 or equivalent skills

Desktop publishing concepts and hands-on training in microcomputers, laser printers, and various page composition software packages.

### **CTIM 213E Microcomputer Applications: Presentation Graphics (1.5)**

*Prerequisites:* CTIM 2100, 2110 or equivalent skills

Software used to design presentation graphics such as business charts, line charts, bar graphs, and organization charts.

### **CTIM 2140 Database Applications (3)**

*Prerequisite:* CTIM 2100 or CTIM 2110 or equivalent skills

Basic business applications using database software. Develop queries, forms, and reports. Case-based, problem-solving approach used.

### **CTIM 2150 Presentation Graphics Applications (3)**

*Prerequisite:* CTIM 2100 or CTIM 2110 or equivalent skills

Software used to design presentation graphics such as business charts, bar graphs, and organization charts; apply complex animation and sound effects; manipulate digital photographs and drawing diagrams and illustrations.

### **CTIM 2160 Records and Information Management (3)**

Equipment and systems used for information storage, transmission, and retrieval. Includes concepts of filing: micrographic; forms design, usage, and control; and evaluation, protection, and destruction of vital records.

### **CTIM 2170 Web Page Design Applications (3)**

*Prerequisite:* CTIM 2100 or CTIM 2110 or equivalent skills

Coverage of essential Web page development topics such as HTML, common Web page elements, hyperlinks, templates, tables, formatting, image maps, thumbnail images, interactive forms, and frames.

### **CTIM 2180 Visual Basic I (3)**

*Prerequisite:* CTIM 2100 or CTIM 2110 or equivalent skills

Introduces the beginning-programming student to building applications in a graphical environment. Basic concepts in methods of object-oriented programming.

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### **CTIM 2185 Visual Basic II (3)**

*Prerequisite:* CTIM 2180

Advanced concepts in methods of object-oriented programming. Manipulating strings random access files, arrays, sequential access files, and printing.

### **CTIM 2190 Information Management (3)**

*Prerequisite:* CTIM 2100 or CTIM 2110 or equivalent skills

Basic business applications using project management software. Covers tracking progress, sharing information, and closing a project. Case-based, problem-solving approach.

### **CTIM 2210 Office Systems and Procedures (3)**

Office systems emphasizing the interrelationship of people, procedures, and equipment.

### **CTIM 2300 Business Communications (3)**

*Prerequisite:* ENGL 1010

Principles of effective business communications. Solving business problems through writing business letters, reports, and oral communications.

### **CTIM 2600 Windows Workstation Management (3)**

*Prerequisite:* CTIM 2100 or CTIM 2110 or equivalent skills

Installing, configuring, and maintaining Windows workstations. Understanding users, groups, profiles, and policies. Troubleshooting, disaster recovery, and protection.

### **CTIM 2610 Windows Server (3)**

*Prerequisite:* CTIM 2600 or permission of instructor

Installing, configuring, and maintaining Windows server. Understanding users, groups, profiles, and policies. Troubleshooting, disaster recovery, and protection. Managing groups, folders, and files.

### **CTIM 2620 Windows Directory Services (3)**

*Prerequisite:* CTIM 2600 or permission of instructor

Analyzing business requirements, information technology structures, software requirements, hardware, and network requirements. Designing forests, trees, and domains; organizational units, sites, and DNS implementation; and security group and group policy.

### **CTIM 2630 Networking Infrastructure (3)**

*Prerequisite:* CTIM 2600 or permission of instructor

Analyzing technical requirements, TCP/IP network, IP configuration, and name resolution strategies. Designing a multi-protocol strategy, DFS strategy, a WAN infrastructure, an Internet connectivity strategy for Internet and Intranet services, and a management and implementation strategy for Windows networking.

### **CTIM 2700 Network Management and Maintenance (3)**

*Prerequisite:* CTIM 2100 or CTIM 2110 or equivalent skills

Introduces hardware and software concepts, troubleshooting fundamentals, multi-media technology, printers, viruses, disaster recovery, and maintenance plans.

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### **CTIM 2900 Seminar for Professional Secretaries I (3)**

Strengthen and update secretarial knowledge in the office, information technology, decision sciences, communications, and office administration areas. Grading on a pass/fail basis.

### **CTIM 2910 Seminar for Professional Secretaries II (3)**

Strengthen and update secretarial knowledge in the management, economics, business law, and accounting/finance areas. Grading on a pass/fail basis.

### **CTIM 2990 Internship in Computer Technology and Information Management (3)**

Professional unpaid work experience in preparation for employment in the computer technology and information management areas. A formal written report documenting experiences, a detailed daily log, and supervisory evaluation is required. Grading on a pass/fail basis.

### **CTIM 299A, B, C Special Problems in Computer Technology and Information Management (1, 2, 3)**

Individual research relating to current problems, issues, and/or technological advancements related to Computer Technology and Information Management. Conducted under the guidance of a faculty member.

### **CTIM 3130 Advanced Spreadsheet Applications (3)**

*Prerequisite:* CTIM 2130

Advanced business applications using spreadsheet software. Develop customized applications with macros and Visual Basic. Hands-on training to include case studies.

### **CTIM 3140 Advanced Database Applications (3)**

*Prerequisite:* CTIM 2140

Advanced computerized database applications. This course provides theory and practice in a disciplined approach to problem solving using a database management software in a business environment. Students will create custom reports, develop action queries, and advanced table relationships. Students will be automating tasks with macros, developing application code using Visual Basic, and understanding concepts of managing and securing databases.

### **CTIM 3350 Office Management and Supervision (3)**

Supervisory and management skills, the role of the supervisor, economics of work, supervisor as manager of people, and the office environment. Case studies will be used during the course.

## **CONSTRUCTION TECHNOLOGY (CT)**

Following are course descriptions for technical courses taught exclusively at Fort Campbell.

### **CT 1000 Home Repair and Maintenance (3)**

CT 100A, B, C (1 hour each) is equivalent to CT 1000

Acquire the knowledge and skill necessary for home repair and maintenance of plumbing fixtures, electrical devices, and carpentry repair; to include the necessary tools and safety requirements to perform such repair.

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### **CT 100A Plumbing Home Repair and Maintenance (1)**

Acquire the knowledge and skill necessary to perform home plumbing repairs and home maintenance; to include faucet repair, toilets, sinks, and drainage repairs.

### **CT 100B Electrical Home Repair and Maintenance (1)**

Acquire the knowledge and skill necessary to perform home electrical repairs and home maintenance; to include light fixtures, ceiling fans, lamps, switches, plugs, and appliance cords.

### **CT 100C Carpentry Home Repair and Maintenance (1)**

Acquire the knowledge and skill necessary to perform home carpentry repairs and home maintenance; to include walls, ceilings, doors, locking devices, windows, and screens.

### **CT 1210 Construction Surveying (3)**

Theory, principles, and practice of surveying as applied to construction; with special emphasis on including cross-sections, slope stakes, grades, and layout of utilities and buildings; field note procedure; differential and profile leveling; care and use of instruments; taping measuring of angles and directions; and closure and area computations.

### **CT 1300 Blueprint Reading and Leveling Instruments (3)**

Language of blueprints, building codes, zoning, permits, and inspections, which includes builder's level and transit level.

### **CT 1320 Construction Drawing I (3)**

Modern house and small commercial building construction methods, drafting detailed drawings of carpentry and masonry construction. Simple space relation problems are studied strengthening the student's ability to visualize space. Basic house design, site consideration, modular aspects, and drawing a complete set of plans.

### **CT 1330 Introductory Carpentry (3)**

Basic hand tools, power equipment, and materials which relate to the carpentry trade; to include types and usage of different woods and materials used in wood-frame construction.

### **CT 1400 Systems Controls (3)**

Operation of magnetic, temperature, and pressure controls, heating and safety controls, wiring diagrams, and schematics.

### **CT 1430 Blueprint Reading and Sketching I (3)**

Basic blueprint reading, including layout, projection, and dimensioning. Detailed instruction will be given to enable students to be able to make sketches of certain geometric shapes and orthographically project these objects.

### **CT 1620 Masonry Construction (3)**

Masonry trade and tools, preparation and application of mortar, estimation of materials, and laying block and brick.

### **CT 1680 Applied Electricity (3)**

Interpretation of schematics, diagrams, and blueprints applicable to electrical plans for domestic and commercial buildings. Sketching schematics, diagrams, and electrical plans for electrical installation using appropriate symbols and notes according to the applicable codes.

### **CT 1820 Introductory Plumbing (3)**

Basic hand tools, power equipment, and materials for the plumbing trade. Types and usage of sewer pipe and sewer disposal systems, water mains, and lateral feeds to individual housing units. Pipe cutting, threading of galvanized and black pipe, cutting and joining of PVC and copper pipe, and how to test systems.

### **CT 2320 Construction Drawing II (3)**

Detailed drawings to include framing details, window and door details, stair framing details, and various sectional views of light commercial and residential construction.

### **CT 2325 Introduction to Computer Aided Drafting for Construction (3)**

This course is designed as an introduction to computer aided drafting. Basic fundamentals will be emphasized with the learning of computer assisted commands.

### **CT 2330 Advanced Carpentry I (3)**

*Prerequisite:* CT 1330 or permission of advisor

Methods of framing, including types of roofs and roofing. Emphasis given to construction safety.

### **CT 2340 Advanced Carpentry II (3)**

*Prerequisite:* CT 1330 or permission of advisor

Exterior and interior trim, door, and window units, drywall finish, and painting.

### **CT 2350 Advanced Carpentry III (3)**

*Prerequisite:* CT 1330 or permission of advisor

Art of cabinetry work, wood finishing, and the manufacturing of wood projects. Emphasis given to shop power tool safety.

### **CT 2430 Blueprint Reading and Sketching II (3)**

*Prerequisite:* CT 1430 or permission of advisor

Continuation of 1430. Applied blueprint reading in the following areas of specialization: carpentry, masonry, plumbing, and electricity. Detailed study of the complex prints in the specialty areas.

### **CT 2440 General Heating and Air Conditioning I (3)**

Principles of heating and air-conditioning systems.

### **CT 2450 Advanced Heating and Air Conditioning I (3)**

*Prerequisite:* CT 2440 or permission of advisor

Uses and application of electricity in heating and air conditioning in residential and commercial areas; hands-on to cover some 50-60 percent of class work.

### **CT 2460 Advanced Heating and Air Conditioning II (3)**

*Prerequisite:* CT 2440 or permission of advisor

Types of energy used to produce heating and cooling in conjunction with an up-to-date approach of the basic principles of air conditioning design, including the construction of ducts, flex and galvanized.

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### **CT 2520 Contracts and Specifications (3)**

Comprehensive evaluation of basic construction processes and estimating, with additional emphasis on responsibilities of the contractor, owner, and architect. Discussion of legal aspects of contract performance requirements, bidding practices and procedures, as well as preparation and interpretation of specifications.

### **CT 2530 General Contracting (3)**

An overview of the contracting business focusing on issues facing residential contractors in today's market place. Various areas of construction will be explored and discussed include financial responsibilities, insurance considerations, taxes, advertising, management or employees and general information pertinent to the operation of a construction business. The course will also explore contracts, local governmental agencies, and retirement planning.

### **CT 2540 Construction Enterprise (3)**

Introduces the fundamentals of construction jobsite management and project management in today's work environment. The course will explain the construction manager's role in job-site documentation and record keeping, layout and control, meetings and employee labor relations, safety management, subcontracting, purchasing, project quality management, time and cost factors, and claims and the process of payment.

### **CT 2620 Advanced Masonry Construction (3)**

*Prerequisite:* CT 1620 or permission of advisor

Brick bonds, building brick and block corners, layout of walls, and building codes. Setting up scaffolding and material.

### **CT 2630 Advanced Masonry Construction II (3)**

*Prerequisite:* CT 1620 or permission of advisor

Construction of fireplaces, including facing, chimney, block and brick flue, hearth, and brick veneer inside wall.

### **CT 2650 Concrete Construction (3)**

Estimating, excavation, preparing base for slabs on grade, and layout procedures, to include forming, pouring, and finishing concrete.

### **CT 2680 Electrical Wiring (3)**

*Prerequisite:* CT 1680 or permission of advisor

Residential wiring, calculating and determining the size of service and circuits, and methods and procedures in wiring. Application of the national electrical code and local ordinance requirements for electrical installations in residential and commercial buildings and F.H.A. specifications.

### **CT 2690 Construction Wiring (3)**

Principles and wiring procedures, to include grounding, wiring, flexible, rigid and thin wall conduit, circuits, and multi-family dwellings.

### **CT 2700 Industrial Wiring and Maintenance (3)**

Special requirements for industrial and commercial wiring. Installation methods of electrical equipment from motors to swimming pool fixtures to lighting for display cases.

### **CT 2820 Advanced Plumbing I (3)**

*Prerequisite:* CT 1820 or permission of advisor

Blueprint reading and understanding, study of water supply systems, codes requirements, proper installation of supply and waste, drainage systems, inspection and testing of the supply and drainage systems, application of the national building codes, local building codes, and requirements and FHA/VA specifications.

### **CT 2830 Advanced Plumbing II (3)**

*Prerequisite:* CT 2820 or permission of advisor

Design, layout, and installation of 1) a water main system from a subdivision; 2) septic tank, leach field installation; 3) in-line staging pumps and their applications; and 4) sewage system up to waste treatment plant and heavy equipment usage penetrating to above. Possible on-sight checkout of backhoe and trencher in operation.

### **CT 2850 Traps, Fixtures, and Appliances (3)**

Identification of the need and function of the trap; the function of a plumbing fixture and a plumbing appliance.

### **CT 2900 Internship**

A hands-on application of the principles, techniques, and procedures learned during the various courses. A major project will be designed and implemented by the students.

## **CORRECTIONS MANAGEMENT (COR)**

Following are course descriptions for technical courses taught exclusively at Fort Campbell.

**NOTE:** LEN 1010 is a prerequisite for all other COR/LEN courses.

### **COR 1050 Survey of Institutional Corrections (3)**

Trends and developments in all elements of a modern correctional system for the treatment of juvenile and adult offenders.

### **COR 1060 Criminology (3)**

Causes and patterns of criminal and deviant behavior; methods of treatment and prevention.

### **COR 1070 Community-Based Corrections (3)**

Alternatives to incarceration of the criminal; diversion programs, including pretrial intervention; deferred prosecution programs; substitutes for jail; and short-term treatment, including the problems of resocialization and reintegration of the offender into the community.

### **COR 1090 Constitutional Issues in Law Enforcement (3)**

Theoretical underpinnings of the U.S. Constitution; emphasis on the Bill of Rights and the effect on the present-day criminal justice system. Historical and contemporary interpretation and legal precedent examined through the development of legal briefs and case studies.

### **COR 2060 Correctional Management (3)**

Roles correctional administrators play, the problems they encounter, and the theoretical and practical skills needed for successful performance of their duties; alternatives to traditional procedures, such as community-based programs versus correctional institutions.

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### **COR 2070 Probation, Pardons, and Parole (3)**

Historical development, philosophies, and standards related to the process of probation, pardon, and parole; conditions under which they are granted; an evaluation of their efficiency; and alternative dispositions.

### **COR 2090 Seminar in Corrections (3)**

*Prerequisite: permission of advisor*

Seminar of selected topics of current interest and controversy in corrections. Two field trips will be made to evaluate correctional institutions. A contemporary corrections problem will be identified with written attendant solutions resulting from an intensive research effort.

## **CRIMINAL JUSTICE (CRJ)**

### **CRJ 1010 Introduction to Criminal Justice (3)**

This course is a basic study of all components of the criminal justice system in the United States. Topics include concepts of law and crime; the criminal justice process; overview of criminal justice agencies; current criminal justice issues; and interactions and conflicts between criminal justice agencies.

### **CRJ 3000 Constitutional Law (3)**

This course is an intense analysis of federal and state court decisions that interpret the United States Constitution as to the authority and process of criminal justice agencies. Topics include an historical overview; the Bill of Rights; trial and punishment; civil remedies and constitutional conduct; and constitutional and civil rights in the workplace.

### **CRJ 3010 Criminal Law (3)**

This course is a generic study of criminal law in the United States and does not cover any specific federal or state law. Topics include principles of criminal law; principles of criminal liability; complicity; inchoate crimes; defenses; justifications; excuses; crimes against persons; crimes against property; and crimes against public order.

### **CRJ 3020 Criminal Evidence and Procedure (3)**

This course is an in-depth examination of criminal evidence rules in the United States. Topics include trial procedures; examination of witnesses; real/physical evidence; circumstantial evidence; hearsay evidence and exceptions; privileged communications; declarations against interests; and judicial notice.

### **CRJ 3030 Terrorism and the Law (3)**

This course is an in-depth analysis of international, federal, and state law as they pertain to the study of terrorism. Topics include search and seizure issues; privacy laws; the Patriot Act; constitutional issues in reference to terrorism investigation/prevention; and criminal procedure.

### **CRJ 3040 International Law (3)**

This course is an in-depth analysis of litigation of international laws. Topics include sovereign's immunity; international treaties; international courts, claims, and adjudications; norms for use of force; norms for control of terrorism; War Powers Act; National Defense Authorization Act; and international organizations.

### **CRJ 3100 Network Security (3)**

This course offers an intense examination of network security defense techniques and countermeasures. Defense fundamentals are explained in great detail. Topics include network defense techniques; cybercrime and cyberspace law; cyberterrorism; intrusion detection and incident response; disaster recovery; and computer forensics.

### **CRJ 3210 Medico-Legal Forensics (3)**

This elective course examines the basic concepts of forensic science through advanced scientific crime-solving techniques such as establishing identity through human remains. Topics include forensic anthropology; odontology; radiology; serology; DNA tracing; medical examiner procedures; wound ballistics; and trauma examinations.

### **CRJ 3220 Criminal Investigations: Procedures and Management (3)**

This elective course is an in-depth examination of one of the three cornerstones of traditional policing: criminal investigation. Topics include physical evidence; information sources; interviews and interrogations; eyewitness identifications; crime scene reconstruction; homicide investigations; burglaries; robberies; sex crime investigations; specialized investigations; and managing criminal investigations.

### **CRJ 3300 Ethics and Criminal Justice (3)**

Ethics in Criminal Justice is an intense examination of the ethical considerations facing the criminal justice practitioner. Topics include determining moral behavior; developing moral and ethical behavior; ethics and law enforcement; ethics and the courts; ethics and corrections; the ethics of punishment; policy and management issues; professionalism; and pride and ethics for practitioners.

### **CRJ 3400 Terrorism: Understanding the Threat (3)**

This course is an in-depth examination of the different types of terrorism. Major topics include an overview of terrorism as a political weapon; defining terrorism; examining the causes of terrorism; precepts of domestic and international terrorism; and the religious foundations of terrorism.

### **CRJ 3410 Domestic Terrorism (3)**

This is a study of the foundations of domestic terrorism with an examination of its history and case studies. Topics include current and active domestic groups; and their organizational structure, philosophies, and networks. The discussion will examine the interrelationships and interactions of presently known groups.

### **CRJ 3420 International Terrorism (3)**

Terrorism has become a political tool used against almost all nations of the world. The course will examine known terrorist groups throughout the world, including militant religious groups; religious zealotry; and political groups. The Middle East will be examined in great detail.

### **CRJ 3430 Management of Incidents of Terrorism (3)**

This course is a basic emergency management course that could apply to all aspects of local and state governments, but concentrates on the law enforcement aspect. Topics include overall management techniques; coordination of rescue efforts; the National Incident Management System; and the Unified Command System. Related topics include mutual aid pacts; cooperative efforts with local industry; and manpower and resource management.

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### **CRJ 3440 Terrorism Prevention (3)**

This course is an in-depth examination of both strategic and tactical methods of preventing existing and new forms of terrorism. Related topics include target identification; target protection techniques; and information assimilation and analysis.

### **CRJ 4000 Law Enforcement Administration (3)**

This elective course is a study of the organization, management, and administration of law enforcement agencies. Topics include police administration in the political arena; organizational theory; police organizational structure; leadership; organizational communication; police subsystem tasks; decision making; performance evaluation; and organizational improvement.

### **CRJ 4200 Special Topics in Criminal Justice (3)**

This elective course enables the program to address the very latest issues in law enforcement. Special Topics in Criminal Justice is a seminar course on current issues such as racial profiling; control of terrorism versus individual liberties; and the effectiveness of habitual criminal statutes.

### **CRJ 4860 Criminal Justice Internship and Practicum (6)**

*Prerequisites: declared major in criminal justice, senior standing, and permission of the department*

This course involves work experience with a cooperating criminal justice agency, public or private. Students must complete at least 160 contact hours during the semester. Students are required to complete documentation requirements and attend two formal meetings during the course of the internship. A major written project relating to the internship experience is required.

## **CULINARY ARTS (CA)**

Following are course descriptions for technical courses taught exclusively at Fort Campbell.

### **CA 2000 Introduction to the Culinary Operation (3)**

Background and history of the hospitality industry and introduction to the student of the broad spectrum of hospitality/food service organizations and career opportunities.

### **CA 2100 Sanitation and Safety (3)**

Basic principles of sanitation and safety, and the laws and regulations related to safety, fire, and sanitation. To maintain a safe and healthy environment for the consumer in the food service industry.

### **CA 2200 Nutrition and Menu Planning (3)**

Characteristics, functions, and food sources for the major nutrient groups, and how to maximize nutrient retention in food preparation and storage. Nutrient needs throughout the life cycle and how to apply those principles to menu planning and food preparation.

### **CA 2300 Culinary Food Preparation (3)**

Fundamentals of food preparation, service procedures, sanitation and safety practices in the food service Business, and operating techniques for equipment.

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### **CA 2400 Food and Beverage Management (3)**

Principles of volume food service and the study of food and beverage management problems, receiving, sanitation, menu planning, purchasing, storage, and cost control.

### **CA 2410 Dining Room Service (3)**

Types of dining service appropriate to differing food service operations; students to gain an appreciation of the relationship between “front” and “back” of the house.

### **CA 2420 Catering and Banquet Management (3)**

Catering segments of the culinary arts industry to include sales, menu planning, layouts, floor plans, ceremonial catering, weddings, kosher catering, theme catering, and legal aspects of catering.

### **CA 2500 Culinary Baking (3)**

Baking science, terminology, ingredients, weights and measures, formula conversion and storage; preparation of yeast goods, pies, cakes, cookies, and quick breads; use and care of equipment; sanitation, hygienic work habits, and their conformance with health regulations.

### **CA 2520 Garde-Manger (3)**

Basic garde-manger principles and the functions, and duties of the garde-manger department as they relate to and integrate with other kitchen operations. Introduction to specialty work, which includes ice carving, artistic centerpieces, and buffet decorations.

### **CA 2530 Purchasing and Receiving (3)**

Purchasing and receiving of food, supplies, and equipment for various food service operations.

### **CA 2600 Bar Service (3)**

Principles and practices concerned with bar service, to include alcohol laws and servers' responsibility, operation controls, and security.

### **CA 2700 Bar Management (3)**

Alcohol laws and servers' responsibility, basic mechanics and principles of bartending, and basic understanding of production processes of all alcoholic beverages.

### **CA 2710 Meat Cutting and Processing (3)**

Identification of primal cuts of meat. Proper cutting techniques and skills required for boning and tying poultry and hams, and the basics of hotel-restaurant butchery.

### **CA 2800 International Food Preparation (3)**

Research and prepare menus representative of different countries and cuisines. Emphasized are French, Austrian, Swiss, South American, German, Italian, Dutch, Spanish, and Mexican. Ingredients and techniques unique to the menu are discussed and utilized.

### **CA 2900 Field Study in the Culinary Operations (3)**

Direct contact in a culinary food operation with assigned specific areas of study in various food establishments. Learning objectives will be tailored to the work environment and elaborated upon during classroom study.

**ELECTRONICS TECHNOLOGY (ET)****ET 1030 D.C. Fundamentals and Circuits (?)**

*Corequisites:* ET 1110, ET 1010 *or permission of the instructor*

Analysis of electrical measurements of current, voltage, and resistance, including Kirchhoff's Law, Ohm's Law, series, and parallel and series-parallel circuits. Selected network theorems—superposition, Thevenin and Norton's theorems, and conductors and insulators.

**ET 1040 A.C. Fundamentals and Circuits (3)**

*Prerequisite:* ET 1030; *Corequisite:* ET 1120

Analysis of alternating current circuits, inductance, capacitance, reactance, impedance, series-parallel in alternating current circuits, network analysis, more complex circuits, transformers, and resonance.

**ET 1120 Advanced Mathematics in Electronics (3)**

*Prerequisite:* ET 1110

Alternating Currents: fundamental ideas, series circuits, parallel circuits, complex algebra, Karnaugh maps, and digital arithmetic.

**ET 1150 Calculus for Electronics (3)**

*Prerequisites:* ET 1120, 1040

Fundamental concepts, functions, average rate, limits, graphic differentiation. Derivatives, derivatives applied, integrals, and integrals applied. Definite integrals, logarithmic, and exponential functions.

**ET 1210 Electronic Test Equipment and Procedures (3)**

Electronic instruments, how they work, and their uses in solving practical problems in the lab.

**ET 1230 Electronic Fundamentals and Circuits I (3)**

*Prerequisites:* ET 1040, 1120

Basic concepts of semiconductor diodes and bipolar transistors theory. Diodes and applications, Bipolar Junction Transistor (BJT) operation, biasing, and small signal amplifiers. A study of Junction Field-Effect Transistor (JFET) and Metal Oxide Semiconductor FET transistor (MOSFET) operation, biasing, and small signal amplifiers. Analysis of Class A, Class B, and Class C power amplifiers.

**ET 1240 Electronic Fundamentals and Circuits II (3)**

*Corequisite:* ET 1230

Operational amplifiers and integrated circuits, operational amplifier applications, oscillators, active filters, voltage regulators, shockley diods, silicon controlled rectifier, diad, triac, unijunction transistor, and opto-electronic devices.

**ET 2030 Digital Electronics Circuits I (3)**

*Corequisite:* ET 1230 *or permission of instructor*

Concepts of number systems, binary and other number base systems, Boolean algebra and logic systems, logic gate circuits, adders, and flip-flips.

### **ET 2040 Digital Electronic Circuit II (3)**

*Prerequisite:* ET 2030

Continuation of ET 2030, with the study of shift register counter circuits, multiplexers, digital to analog (D to A) converters, A to D converters, and memory devices.

### **ET 2140 Communication Circuits I (3)**

*Prerequisites:* ET 1150, 1240

Operation and theory of electronic communication systems. The theory of Amplitude Modulation (AM)/demodulation, Frequency Modulation (FM)/demodulation, and Side Bands.

### **ET 2150 Communication Circuits II (3)**

*Prerequisite:* ET 2140

Continuation of 2140 with the study of antennas, transmission lines, wave propagation, and fiber optics.

### **ET 2320 Microprocessor Circuit Construction (3)**

*Prerequisite:* ET 2040

Design of digital systems utilizing a microprocessor.

### **ET 2330 Electronic Project (3)**

*Prerequisites:* ET 2040, 2140; *Corequisites:* ET 2150, 2320

Design fabrication involving an approved electronic project. Construction includes layout and fabrication of circuit, wiring, and the assembly. The student tests and analyzes the performance of the project and submits a written report.

### **ET 2410 Digital Communications (3)**

*Prerequisites:* ET 1240, ET 2030

Communication techniques and systems used for digital data transfer. Digital transmission and various modulation techniques, RS-232 interface standard, other communication interfaces, telephone systems and modems, network, error detection, correction, and data security.

### **ET 2420 Introduction to Computer Architecture (3)**

*Prerequisite:* ET 2320

Introducing computer purposes, computer architectures: memory CPU, computer peripherals, high-level language and data, data input/output, and voice recognition systems.

### **ET 2430 Introduction to Operating Systems (3)**

*Prerequisite:* ET 2420

Introducing interrelationships of software and hardware in computer systems. A study of scheduling, shared resources, multi-users, security files, multi-tasking, and DOS and UNIX operating systems.

### **ET 2440 Introduction to Programmable Controller (3)**

Introducing programmable logic controllers (PLC), PLC hardware, components, number systems, and codes. Fundamentals of logic; basic PLC programming; developing fundamental PLC wiring diagrams and ladder programs; programming timers and counters; PLC editing and trouble-shooting; and PLC installation practices.

**ENGINEERING TECHNOLOGY (ENGT)****ENGT 1000 Introduction to Engineering and Engineering Technology (3)**

Survey of engineering and engineering technology; fields of engineering and the engineering profession; academic training, careers, and job expectations; and technical problem-solving skills.

**ENGT 1020 Computer Aided Drafting and Design I (3)**

*Prerequisite:* general computer skills

Use of computers for drafting and design; hardware and software used in two-dimensional mechanical drawing; and dimensioning and plotting on paper to scale. Three dimensional and isometric drawings will also be included.

**ENGT 1200 Applied Mathematics for Engineering Technology (3)**

*Prerequisite:* mathematical background equivalent to high-school Algebra I & II

Topics from algebra, geometry, and trigonometry, and in engineering technology applications. Review of algebra and geometry basics; right triangles and trigonometric functions; exponential and logarithmic functions; complex numbers.

**ENGT 1400 Applied Calculus for Engineering Technology (3)**

*Prerequisite:* completion of ENGT 1200 or MATH 1730

Application of calculus in technology. Derivatives, applications of derivatives, integration; integration by use of tables, applications of integration. Topics from analytic geometry; conic sections. Introduction to differential equations.

**ENGT 1720 Plane Surveying (3)**

*Prerequisite:* MATH 1720 or ENGT 1730

Field procedure necessary for measuring distances, elevations, horizontal and vertical angles, topographic mapping, boundary and area calculations; chain and theodolite and stadia surveying, leveling, and curve ranging.

**ENGT 2000 Manufacturing Processes (3)**

Principles, processes, and problems associated with conversion of engineering materials into useful forms and goods; machining operations using traditional and computer numerical controlled machine tools.

**ENGT 2010 DC Circuits and Applications (3)**

*Corequisite:* MATH 1730 or ENGT 1200

Overview of electrical engineering technology and electronics; direct current equipment and circuits; Ohms Law, series and parallel circuits, Kirchoff's Laws, and Thevenin's and Norton's Theories applied to DC circuit analysis.

**ENGT 2020 Robotics Fundamentals (3)**

*Prerequisites:* general computer skills or permission of instructor

Overview of robots and automation technology; terminology; classifications; end-of-arm tooling; sensors and interfacing; control; programming; applications; safety; development; and future trends and social impact. In hands-on activities the students will program robots for some simple tasks.

### **ENGT 2030 AC Circuits and Applications (3)**

*Prerequisites:* ENGT 2010

Alternating current equipment and circuits; Kirchoff's Laws, and Thevenin's and Norton's Theories applied to AC circuit analysis. Introduction to electronics and electronic components. Overview of electrical and power systems.

### **ENGT 2500 Construction Materials and Methods (3)**

This course covers the properties, uses, and availability of most commonly used construction materials like wood, steel, sand, concrete, concrete admixtures, reinforced concrete, pre-stressed concrete blocks, bricks, and various other new products. The knowledge gained from this course allows student to select the right construction material for a job.

### **ENGT 2730 Introduction to Solid Modeling (3)**

*Prerequisites:* ENGT 1020

Introduction to technical drawing and solid object modeling using ProEngineer software. Basic techniques for generating 3D solid models. Basic topics in 2D engineering drawing and generation of drawings from solid models.

### **ENGT 2990 Cooperative Work Experience I (3) – (area of concentration)**

*Prerequisites:* ENGT 1020, *sophomore standing with advisor approval*

An educational experience combining college studies with institutionally supervised and preapproved work experiences at cooperating organizations. Student must apply and be accepted prior to registration. Other regulations apply. See cooperative work experience advisor.

### **ENGT 3000 Materials Science (3)**

*Prerequisites:* ENGT 2000, 2010 *or permission of instructor*

Introduction to structure, properties, and manufacture of engineering materials including polymers, metals, ceramics, and composites. Atomic, molecular, and crystal structures; crystal geometry and growth will be related to electrical and mechanical properties.

### **ENGT 3010 Engineering Economics (3)**

*Prerequisites:* MATH 1530, 1730 *or* ENGT 1200

Basics of economic decision making common to industrial management and personal finance. Time value of money and other commonly used measures, for its present or future worth, are compared in investment decisions.

### **ENGT 3020 Statics and Strength of Materials (3)**

*Prerequisites:* MATH 1730, 1810 *or* ENGT 1200, 1400

Analysis of forces acting on a body at rest, equilibrium of rigid body, friction, center of gravity, moment of inertia, stresses and strains, torsion, shear, bending moment, deflection, Mohr's circle, and column design.

### **ENGT 3030 Thermodynamics (3)**

*Prerequisites:* MATH 1810 *or* ENGT 1400, PHYS 2010, *and* 2011

Application of thermodynamic principles to energy systems; properties and phase changes; energy conversion; power system operating cycles; refrigeration; and introduction to heat transfer.

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### **ENGT 3040 Power Transfer Technology (3)**

*Prerequisites:* MATH 1810 or ENGT 1400

Introduction to principles and practices for transfer of power utilizing high electrical voltages, hydraulics, and pneumatics.

### **ENGT 3050 Problem Solving in Engineering Technology (3)**

*Prerequisites:* MATH 1530, MATH 1810 or ENGT 1400

Creative and analytic methods for solving technological problems. Creative strategies; problem definition; finding solutions; implementation and evaluation. Mathematical tools applied to technological problems. Plotting, data reduction, and curve fitting; statistical methods. Spreadsheets and mathematical analysis software applied to technological problems.

### **ENGT 3100 Robotics Applications (3)**

*Prerequisite:* ENGT 2020

Applications of robots in various areas; case studies of robotic application related improvement in industries; hands-on Fanuc, Adept, and Mitsubishi robot programming and implementation.

### **ENGT 3200 Electronics Fundamentals I (3)**

*Prerequisite:* ENGT 2030

Introduction to semiconductor electronic devices: diodes, transistors, and other components. Uses of electronic components to produce useful circuits and equipment.

### **ENGT 3210 Communications Systems I (3)**

*Prerequisites:* ENGT 3200, MATH 1810 or ENGT 1400

Introduction to communications systems with emphasis on linear integrated circuit applications. AM, FM, and side band generation; and transmission and reception techniques.

### **ENGT 3220 Digital Design I (3)**

*Prerequisite:* ENGT 2010

Digital combinational circuits. Topics include number systems, logic gates, Boolean algebra, combinational circuit functions and simplification adders, and arithmetic circuits. Karnaugh mapping and data conversion. Students will solve selected problems by application of circuits.

### **ENGT 3230 Microprocessors (3)**

*Prerequisites:* ENGT 3220, 3250

8-bit and 16-bit microprocessor architecture, assembly language structure, and programming; PPI circuit boarding and I/O programming; 8088 microprocessor and 8255A PPI are used in hands-on activities.

### **ENGT 3240 Electronic Fundamentals II (3)**

*Prerequisite:* ENGT 3200

Advanced topics in electronics. Use of electronic devices in amplifiers, regulators, and integrated circuits. Operational amplifiers; biasing; and frequencies.

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### **ENGT 3250 Digital Design II (3)**

*Prerequisite:* ENGT 3220

Digital Sequential Logic. Topics include gate networks, adders, latching, flip-flops, counter circuits, coding, and timing, shift registers, data transmission, memory and storage. Further study of Karnaugh mapping and data conversion and transmission.

### **ENGT 3510 Contracts Management (3)**

This course presents students with an overview of the process of identifying opportunities, responding, securing, and managing work in a contract environment. Students will gain insight into the legal, procedural, and policy environments relative to contract work. Assignments will contain construction contracts.

### **ENGT 3610 Production/Operations Management (3) - (same as DSCI 3410)**

*Prerequisites:* junior standing, ENGT 3050 or permission of instructor

Methods of efficient plant management, including production scheduling, inventory control, forecasting, linear programming, transportation, statistical analysis, CPM, PERT, simulation, quality control, work management, and maintenance.

### **ENGT 3650 Statistical Quality Control (3) - (same as DSCI 3530)**

*Prerequisites:* junior standing, ENGT 3050 or permission of instructor

Basic principles and techniques of quality control and its applications to manufacturing process. Emphasis on process control, sampling inspections, reports, and records based on statistical analysis.

### **ENGT 3660 Managerial Dynamics and Simulation (3) - (same as DSCI 3510)**

*Prerequisites:* ENGT 1020, ENGT 3610

Dynamic phenomena surrounding business and engineering environment through simulation techniques on computer. Problems in queuing theory, inventory processing, sales forecasting, advertising, random number generators, flow charting, and stochastic nature of equations, Buffon's Needle, and discrete and continuous systems.

### **ENGT 3710 Introduction to Environmental Engineering Technology (3)**

*Prerequisites:* ENGT 2000

Introduction to water, soil, and air pollution, with emphasis on treatment of water and wastes introduced into the environment by manufacturing operations. Environmental regulations and review of environmental chemistry.

### **ENGT 3720 Architectural CAD (3)**

*Prerequisite:* ENGT 1020

Use of computer aided design software (AUTOCAD) to design and draw architectural floor plans, sections, and elevations; dimensioning; plotting to scale; area calculations; and surveyors drawings.

### **ENGT 3730 Soil Mechanics (3)**

*Prerequisite:* ENGT 3020

Mechanical and physical properties of soils and their relation to engineering design considerations such as soil classification, shearing strength, settlement, stress distribution, and bearing capacity. Designing size dimensions of footings, retaining walls, and bearing piles.

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### **ENGT 3790 Planning, Scheduling, and Estimating (3)**

*Prerequisite:* ENGT 3010 or permission of instructor

Planning and scheduling of projects; quantity estimates of materials needed in common civil engineering construction.

### **ENGT 3800 Computer-Aided Manufacturing (3)**

*Prerequisites:* ENGT 2000, 2020

Concepts of automation, flexible manufacturing, and CAM; uses of CAD/CAM in modern industries. Introduction to manufacturing planning and control, production scheduling, process planning, and data communication. Laboratory activities include CAD/CAM interface (with emphasis on ProCAD/CAM and Verify 3D simulation software), workcell setup, programming, interface, and simulation.

### **ENGT 3810 Plastics Manufacturing Technology (3)**

*Prerequisite:* ENGT 2000, 3000

Overview of plastic materials; types of plastics and material properties; and industrial manufacturing processes used to make useful products, including injection molding, extrusion, thermo-forming, blow molding, and casting. Plastics manufacturing equipment and operations reviewed in laboratory.

### **ENGT 3820 Technology and Society (3)**

*Note: not accepted as ENGT elective for ENGT majors*

Overview of technology and the effects of technical innovations on society. Physical, economic, and societal aspects in technical decision making. Ethics in technology. Examination of the public image of technology and its impact on society. Focus on developing technical literacy and preparing students to make informed decisions on technological issues.

### **ENGT 3830 Metals Manufacturing (3)**

*Prerequisite:* ENGT 2000, 3000

Methods for preparation of metals and alloys including ore dressing; reduction of metal oxides and sulfides; refining of metals and alloys; phase diagrams, physical properties, and classification nomenclature; emphasis on the use of thermodynamics and kinetics; processing of basic stock ready for production of finished metal items.

### **ENGT 3840 Dynamics (3)**

*Prerequisites:* ENGT 1400, 3020, MATH 1810, PHYS 2010

Fundamental principles of dynamics applied to predicting the motion of particles, collections of particles, and rigid bodies. Introduction to mechanical vibrations.

### **ENGT 3850 Manufacturing Processes II (3) – (area of concentration)**

*Prerequisites:* ENGT 1020, 2000 and advisor approval

A continuation of computer controlled manufacturing machines to include processes, machine selection, and conversion of geometric analysis into computer numerical control (CNC) language. Students will program and operate a variety of CNC machines.

### **ENGT 3990 Cooperative Work Experience II (3)**

*Prerequisites:* junior standing

This educational experience combines the student's college studies with institutionally supervised, preapproved work experiences with cooperating organizations. Student must apply for and be accepted prior to registration and present an acceptable report at the end of the project. See the cooperative work experience advisor for more information.

### **ENGT 4000 Senior Project (3)**

*Prerequisites:* senior standing and advisor approval

Capstone experience prior to full-time employment. Students will work on a technical project in industrial environment. Students must get prior approval for the project and present an acceptable report at the end of the project. Preparation for full-time employment; resumes; interview and job expectations; oral and written presentation of technical subjects; and current topics in industry.

### **ENGT 4020 Architectural Structure Design (3)**

*Prerequisite:* ENGT 3020

This course covers the design of wooden, steel, and concrete structural members in a building following the appropriate wood structure, steel, and concrete codes, respectively.

### **ENGT 4120 Sensors and Vision Systems (3)**

*Prerequisites:* ENGT 2020

Contact and non-contact sensors, machine visions, and automatic identification technology used in industries especially for automation. Tactile sensors, proximity sensors, and CCD array sensors, range finding; bar code symbology; image acquisition, processing, analysis and applications; and R&D of sensors and machine visions. Hands-on activities include sensor interfacing, bar coding, vision system setup, image processing, and applications.

### **ENGT 4150 Programmable Logic Controls (3)**

*Prerequisites:* ENGT 2030, 3230 or 3800

Begins with fundamentals of programmable logic controllers and proceeds through various control diagrams, programming languages, and control circuits. Current availability, use, and operation of PLC's. Students will program A-B's SLC500 and Toyo's PLC.

### **ENGT 4200 Linear Electronics (3)**

*Prerequisites:* ENGT 3210, 3240

Introduction to linear integrated circuits. Circuit functions and applications with emphasis on operational amplifiers and other state-of-the art devices.

### **ENGT 4210 Control Systems (3)**

*Prerequisites:* ENGT 4200, MATH 1810 or ENGT 1400

Introduction to fundamentals of control systems beginning with analog analysis and proceeding through digital. Laplace transforms and transfer functions, signal conditioning, and protocols.

### **ENGT 4220 Communication Systems II (3)**

*Prerequisites:* ENGT 3210, 3220

Introduction to digital communication with emphasis of digital and data communication techniques, satellite communications, and fiber optics.

## 454 School of Tech and Public Mgt Course Descriptions

### **ENGT 4500 Occupational Safety and Health (3)**

*Prerequisite:* junior standing

This course covers study of the causes and types of accidents and safety hazards in the workplace, OSHA Acts and Standards, and ethical issues to improve safety and hazards. Proper method of accident investigation and accident reporting are covered thoroughly. Also covered are topics on safety analysis, safety and health training, and safety management.

### **ENGT 4610 Advanced Concepts in Management Science (3) - (same as DSCI 4410)**

*Prerequisite:* ENGT 3610

Continuation into the advanced sections of production/operations management. Stochastic inventory, non-linear mathematical, and goal programming; effects of quality control, plant layout, and queuing on the overall production process; sensitivity analysis and simulation.

### **ENGT 4710 Fluid Mechanics (3)**

*Prerequisites:* MATH 1810 or ENGT 1400, PHYS 2010

Physical phenomenon of fluid flows in closed pipes and open channels using fundamental laws and empirical formulae. Fluid properties, manometry, fluid pressure, quantity of flow, submerged bodies, and buoyancy.

### **ENGT 4720 Advanced Computer-Aided Design (3)**

*Prerequisites:* ENGT 1010, ENGT 1020, *junior standing*

Use of computers in design and drafting of complex structures and machine components through two- or three-dimensional or isometric drawings. Customization of AUTOCAD regarding tablet menu; screen menu, pull down menu, AutoLISP, programming, linetype, and hatch generation.

### **ENGT 4730 Applied Solid Modeling (3)**

*Prerequisites:* ENGT 2730

Applications of solid object modeling using ProEngineer software. Generation of 3D solid models of complex objects and traditional 2D engineering drawings including sections, elevations, and auxiliary views from solid models. Use of solid models in engineering design and analysis.

### **ENGT 4800 Machine Operation and Design (3)**

*Prerequisite:* ENGT 3020

Overview of machines, mechanical systems, and machine dynamics. Transmission components and applications. Machine element design based on strength of materials. Machine element failure. Introduction to machine operation, maintenance, and condition monitoring.

### **ENGT 4810 Advanced Manufacturing Processes (3)**

*Prerequisite:* ENGT 3850

Conversion of working drawings to programs for computer numerical control (CNC) machines. Programming language, variations in controller design, selection of correct CNC process. Application of lecture topics to laboratory exercises. Various products will be manufactured from working drawings using CNC machines.

## School of Tech and Public Mgt Course Descriptions 455

### **ENGT 4850 Computer Integrated Manufacturing (3)**

*Prerequisites:* ENGT 3800

Concepts of Computer Integrated Manufacturing (CIM); relationship to CAM; CIM units, system communication, networking, and the computer-integrated enterprise. Agile and lean manufacturing; Intelligent Manufacturing Systems (IMS); and environmentally conscious and holonic manufacturing. ARENA software is used for manufacturing system simulation and for team projects.

### **ENGT 4860 Product Safety and Liability (3)**

*Prerequisites:* ENGT 1000, ENGT 2000

Application of engineering technology principles to control hazards affecting safety of industrial products. Development of design criteria for system modification. Agencies that control manufacturing and distribution of hazardous products. Product safety laws and legal liabilities.

### **ENGT 4870 Facilities and Equipment for Environmental Engineering Technology (3)**

*Prerequisite:* ENGT 3710

Facilities, structures, and equipment developed to treat or remove environmental wastes. Emphasis on operation of facilities and equipment at engineering technology level. Current methods for handling and treatment of solid, liquid, and gaseous industrial and municipal wastes.

### **ENGT 4880 Refrigeration Machines and Power Systems (3)**

*Prerequisite:* ENGT 3030

Application of thermodynamic principles to understanding and improving power systems and refrigeration machines. Rankine, Otto, Diesel, and Brayton cycles of power; vapor compression and absorption machines for refrigeration. Psychrometrics and combustion, applications of heat transfer, and solar power system.

### **ENGT 4991 Special Problems (3)**

*Prerequisites:* departmental chair approval

Reserved for ENGT students who need a class for graduation that is not being offered or is closed due to low enrollment. May also be used to study a topic not offered as a regular course.

### **ENGT 4992 Special Problems (4)**

*Prerequisites:* senior standing and departmental chair approval

Reserved for ENGT students who need a class that includes an Engineering Technology laboratory for graduation that is not being offered or is closed due to low enrollment. May also be used to study a topic not offered as a regular course.

## **FOOD SERVICE TECHNOLOGY (FS)**

Following are course descriptions for technical courses taught exclusively at Fort Campbell.

### **FS 2040 Cake Decorating (3)**

Fundamentals and techniques of cake decorating: the preparation and baking of a variety of cakes and icings, the art of preparing color flow, marzipan, and pastillage.

## 456 School of Tech and Public Mgt Course Descriptions

### **FS 2050 Ice Sculpture (3)**

Fundamentals and techniques of preparing ice sculptures: ice selection, moving, handling, storage, and the preparation of templates.

### **FS 2200 Gourmet Foods (3)**

*Prerequisite: permission of advisor*

Creativity in food preparation with emphasis on sectional food in the U.S. and foreign foods. Methods of enhancing appearance and taste of dishes for family and quantity food service; preparation and service. Preparation and use of soups, sauces, gravies, stocks, and beverages.

### **FS 2500 Decoration and Design (3)**

*Prerequisite: FS 2200 or permission of advisor*

Theory, demonstration, and practice in the production of decoration exhibits work to include string work, color flow, fruit and vegetable sculpture, pastillage, chaud-froid, tallor, and chocolate.

### **FS 2980 Culinary Skills (3)**

*Prerequisite: FS 2500 or permission of advisor*

The art and technique of culinary arts; the creating and preparing of cocktail canapés, cold buttefish/shellfish, cold buffet meat-poultry/game, cold buffet dessert, decorated edible cake, fancy pastries. Centerpieces—sculptures made of chocolate and tallow, fruit and vegetable, work in pastillage, weight-watcher meals, and breads.

## **MANAGEMENT TECHNOLOGY (MT)**

### **MT 1000 Introduction to Business Environment (3)**

Complex set of interrelationships between the business organization and its environment. Dimensions of work-related experiences, behavioral problems encountered, and issues involved in business/society relationships, and current assessment of the role that business plays within a changing society.

### **MT 1010 Mathematics of Drugs and Solutions (2)**

Fundamental mathematical skills to calculate drug dosage, fractional and decimal arithmetic, and solving for an unknown in a proportion.

### **MT 1050\* Industrial Mathematics (3)**

Common and decimal fractions; percentages; ratio and proportion; algebra; areas and volumes; metric measure; graphs; geometrical constructions; trigonometry; work and power; and speed ratios of pulleys and gears.

### **MT 2010 Accounting Survey (3)**

Concepts and principles of accounting: accrual accounting, the accounting cycle, financial statements, and the capital structures of sole proprietorship, partnerships, and corporations.

### **MT 2030 Marketing Survey (3)**

Basic framework and facts of marketing to include marketing research, advertising, direct and indirect selling and distribution, methods of pricing, warehousing, sales control, and sales promotion, with continual emphasis on the consumer, competition, and governmental regulations.

### **MT 2050 Principles of Management (3)**

Organizational management with emphasis on various models and functions. Concepts of the management functions of planning, organizing, and controlling, with an emphasis on behavioral science concepts as applied to managing people in organizations.

### **MT 2100\* Mathematics for Management (3)**

Designed primarily for students who are planning to enter the field of business. Arithmetic fundamentals, basic principles of algebra, percentage, discounts, simple and compound interest, annuities, etc., and their application to various phases of business.

### **MT 2110\* Business Statistics (3)**

*Prerequisites:* MT 2100, MATH 1110 or consent of instructor

Methods of gathering and analyzing statistical data by using the process of statistical reasoning; probability and distribution; correlation and regression; expected value; network analysis; queuing theory; economic order quantity; and linear programming. Does not meet the Liberal Arts core requirement for mathematics.

### **MT 2120 Statistical Process Control (3)**

Basic principles and techniques of quality control and its applications to the manufacturing process, process control, sampling inspections, reports and records based on statistical analysis.

### **MT 2150 Personal Financial Management (3)**

Consumer problems including credit, financial statements, budgeting and saving techniques, insurance, legal documents, housing, investments, income taxes, retirement and estate transfer, and family financial liabilities.

### **MT 2200 Business and Industrial Safety (3)**

Safety and health in the business, manufacturing, construction and utilities industries, laws, OSHA, codes, regulations, standards, and product liability considerations. Organizational and administrative principles and practices for safety management and safety engineering, accident investigation, safety education, and safety enforcement.

### **MT 2250 Introduction to Business Law (3)**

Legal rights and potential liabilities of business persons. Principles of business law in contracts, negotiable instruments, personal property, agency employment, and federal and state regulations for proprietorship, partnerships, syndicates, and corporations.

### **MT 2270 Business Ethics (3)**

Contemporary issues in business practice: truth in advertising, the use of power and influence, the social responsibility of business, affirmative action and equal opportunity, and the ethics of profit.

## 458 School of Tech and Public Mgt Course Descriptions

### **MT 2370 Human Relations in Business (3)**

Human interactions with the social, organizational, and human elements encountered in the work environment, group processes, group structures, group conflicts, cohesion, leadership, group productivity, and decision making.

### **MT 2400 Human Resource Management (3)**

Organization, functions, and administration of a personnel department, including selecting, training, placement, morale, leadership, promotion, appraisal, pay incentives, employee-employer relationship, and laws affecting the personnel function.

### **MT 2450 Labor Relations (3)**

Applied labor and manpower problems in the U.S.; the relationship between management and unions; collective bargaining; contract administration; and impasse procedures in the public and private sectors.

### **MT 2500 Purchasing and Logistics (3)**

Purchasing and logistics management of materials and equipment in industry and government. Control and flow of materials through the manufacturing process. Storage and handling of materials internal to plant operations, study of the optimum quality, price, source, quantity, and time.

### **MT 2550 Small Business Operations (3)**

Analysis of problems and considerations involved in establishing, planning, organizing, and operating new business ventures, special research reports, field projects, case analyses, and panel discussions with business persons.

### **MT 2570 Production Management (3)**

Methods of efficient plant management, production scheduling, inventory control, forecasting, linear programming, transportation, procedures of MRP, JIT, and other techniques.

### **MT 2600 Seminar: Special Topics in Industrial Management (3)**

An in-depth examination of topics of a timely interest to the manufacturing community.  
\*Does not fulfill Liberal Arts Mathematics Core requirements.

## **POLICE SCIENCE AND ADMINISTRATION (LAW ENFORCEMENT) (LEN)**

### **LEN 1010 Introduction to Criminal Justice (3)**

Agencies involved in the administration of criminal justice and their purposes, goals, and actual functions. Evaluation of law enforcement responsibilities, techniques, and methods of police and patrol.

### **LEN 1020 Criminal Law and Procedure (3)**

*Prerequisite:* COR 1090

Overview of criminal trial procedures; historical background of constitutional rights; and rules governing the admissibility of evidence and types of evidence. Includes laws of arrest, search, and seizure. Case law is applicable to each area.

### **LEN 1030 Criminalistics (3)**

Crime scene protection, proper identification of evidence, including dusting latent prints, casting, fingerprint classification, and use of portable crime laboratory equipment.

### **LEN 1040 Police Firearms (3)**

Basic skills, safety, and techniques governing the use of firearms; civil and criminal implications; and practical application of firing standard police weapons. Instruction and practice in various legal and humane tactics for self-defense.

### **LEN 1050 Business and Industrial Security (3)**

Comparative examination of the relationship of the Criminal Justice System and business and industrial security. An overview of the administrative, personnel, and physical aspects of the security field.

### **LEN 1060 Evidence Photography (3)**

*Prerequisites:* LEN 2020, LEN 2030

Applying photographic techniques in criminal investigation; types of cameras and lighting to record all types of evidence on film; and darkroom reproduction theories and practice.

### **LEN 1080 Patrol Procedures and Practices (3)**

Patrol as a major activity of police service, including historical evolution of the concepts; methods of patrol; management and administration of a patrol force; and analysis of the effectiveness of traditional and non-traditional techniques.

### **LEN 1100 Basic Photography (3)**

Familiarization with the nomenclature of the camera, film varieties, dark-room procedures, printing, developing of film, use of video camera, and theory and application of photographic communication.

### **LEN 1110 VIP Executive Protection (3)**

Extended knowledge of motorcade and personal protective techniques utilized by governmental police agencies to counter criminal and terrorist attacks against official visitors, presidential candidates, and other protective details; conduct a "hands-on" protective operation.

### **LEN 1120 Terrorism: Understanding the Threat (3)**

International, transnational, and local forms of terrorism. Terrorist goals, supporting organizations, trends, threats, targets, and modus operandi.

### **LEN 1130 Crisis Counseling (3)**

Theories of victim crisis counseling; learning how to identify, analyze, and understand the abashment of victimization, including sexual, child, and drug abuse.

### **LEN 1140 Tactical Shotgun (3)**

Shotgun proficiency through practical exercises, day and low-light combat, and history of the shotgun in law enforcement, its limitations, and nomenclature.

### **LEN 1150 Street Survival Seminar (3)**

Trends and factors causing death and personal injury to police officers; elements of danger present while on duty; tactical procedures; and safeguards, preparation, planning, and reaction to hazardous situations.

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### **LEN 1160 Accident Reconstruction (3)**

Traffic accidents through scientific methods of calculating vehicle speed prior to, and post, accident. Accident report writing and collision diagrams.

### **LEN 1170 Sect, Cults, Deviant Movements (3)**

History, precepts, and current philosophies of paganism, witchcraft, Satanism, Santeria, and Brujeria. Examine ceremonial and magical rituals, signs, symbols, secret alphabets, ritualized abuse, black mass, and cult-occult crime investigation; psychological and sociological effects of fantasy role playing games and black/heavy-metal music on adolescents.

### **LEN 1180 Basic Surveillance Techniques (3)**

Foot and vehicle surveillance to insure undetected observation of primary and selected targets; day and night observation using all methods of surveillance.

### **LEN 1190 Unarmed Defensive Tactics (3)**

Physically active course that consists of basic, practical, and useful techniques for law enforcement, military, and civilian personnel with reduced legal and medical liabilities to themselves and their departments.

### **LEN 2010 Police Administration (3)**

*Prerequisite: permission of advisor*

Organization, administration, and function of the police agency; policy procedures; operational duties and commands; evaluation of the planning, research, and development process; and relationship of theoretical administrative concepts to practical police problems.

### **LEN 2020 Criminal Investigation (3)**

Criminal investigation including crime-scene search and recording, collection and preservation of evidence, a survey of related forensic science, interviews and interrogations, methods of surveillance, case preparation, and presenting the case to court.

### **LEN 2030 Criminal Evidence (3)**

*Prerequisite: COR 1090*

Criminal evidence rules, types of evidence, principle of exclusion, evaluation and examination of evidence and proof, competency of witness, hearsay rule and opinion, pretrial discovery, and testimony in court.

### **LEN 2040 Drug Identification and Effects (3)**

Identification and pharmacological effects of controlled substances, and guides to identification by color, trade name, and drug code. A critical examination of the physiological, sociological, psychological, and legal aspects of drug abuse.

### **LEN 2050 Juvenile Procedures (3)**

Legal and philosophical concepts and jurisdiction of the juvenile justice system. Development and trends in juvenile court movement.

### **LEN 2080 Internship in Criminal Justice (3)**

*Prerequisite: permission of advisor*

Off-campus practical work experience in an appropriate field. The student must spend 24 hours with the agency, supervised by a field supervisor and the course instructor. Seminars and written reports required.

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### **LEN 2110 Criminal Intelligence (3)**

Collation, review, and analysis of criminal intelligence, and law enforcement's application of the intelligence process to combat white-collar crime.

### **LEN 2130 Interviewing and Interrogation Techniques (3)**

Interviewing techniques utilized in interviews with victims, witnesses, and subjects of investigations.

### **LEN 2170 Advanced Sects, Cults, Deviant Movements (3)**

History and current philosophies of traditional and non-traditional cults, explore ceremonial and ritual magical processes, and Afro-Caribbean cults. Investigative processes and crime-scene investigation involving crimes motivated by deviant non-traditional cults.

### **LEN 2180 Countering Terrorism (3)**

Acquaint students, law enforcement officers, and security personnel with current knowledge of the terrorist threat facing U.S. personnel, and provide them with current state-of-the-art security precautions to overcome that threat. Basic terrorist related terminology, terrorist organization structure-composition, weapons, foreign support, objectives, and goals.

### **LEN 2190 Tactical Training (3)**

Historical development of special weapons and tactical teams, techniques of urban and rural movement, breaching techniques, forced entry methods, surreptitious and dynamic entry, and clearing.

## **PROFESSIONAL STUDIES (PTMA)**

### **PTMA 3000 Organizational Team Building (3)**

Using theoretical principles of adult learning and group dynamics, this course introduces students to the skills required to effectively manage team processes. Students learn how to use project teams, select team members, lead effective meetings, and work through team problems.

### **PTMA 3010 Management of Organizations**

This is a survey course of the field of management and its role within complex organizations. Key elements of management theory and practice to be covered include planning, organizing, controlling, and leading in organizations.

### **PTMA 3020 Managing Information Technology (3)**

*Prerequisites: AOM 2110, CSCI 1000 or MIS 1100 or equivalent proficiency*

Provides an awareness of the role of information technology in the work environment and organizations. Major concepts, developments, and managerial implications involved in computer hardware, software, communications, and other computer-based information technology will be explored.

### **PTMA 3050 Cultural Diversity in Organizations (3)**

Theoretical and practical approaches to the complexities of issues of diversity will be examined by reviewing typical values, habits, interactions, and concerns of different cultural groups in the workplace. Students will identify and practice strategies to overcome barriers and conflict in the workplace.

## 462 School of Tech and Public Mgt Course Descriptions

### **PTMA 3060 Organizational Ethics (3)**

Discussion of ethical issues, the development of a moral frame of reference and the need for an awareness of social justice in management practices and business activities. Review of ethical responsibilities and relationships between organizational departments, divisions, executive management, and the public.

### **PTMA 3070 Professional Development (3)**

Emphasis on career analysis and acquisition, time management, listening skills, oral and nonverbal communication competencies, participative management responsibilities, interpersonal skills, multi-cultural awareness, and leadership strategies. Participation in professional and community service organizations and professional development opportunities will be encouraged.

### **PTMA 3100 Global Logistics (3)**

Case study analyses and exercises recognizing the interrelationship of logistics and supply chain management. Logistical operations using domestic and global logistics channels will be explored. In addition, content will address the discovery and impact of the demands placed on companies due to cultural differences, currencies, governmental, and environmental issues.

### **PTMA 3120 Intercultural Business Communication (3)**

This course focuses on an understanding of cultural priorities with actual business practices. A combination of intercultural skills as well as culturally diverse workplace environments and communication processes will be explored.

### **PTMA 3230 Workforce Management (3)**

This is a survey course of the field of human resource/personnel and its role within an organization. Key elements of managing the personnel function will be explored. Current issues including outsourcing, EEO, affirmative action, and ADA will be explored.

### **PTMA 3400 Total Quality Management (3)**

This course is designed to inspire students to increase their expertise in the practices and principles of quality. The course begins with a detailed study of quality philosophy and proceeds to the study of quality applications.

### **PTMA 3240 Financial Measurement, Analysis, and Reporting (3)**

This course develops the basic concepts and procedures underlying corporate financial statements and introduces tools for analyzing profitability and risk. Students will explore the impact of the alternatives available within generally accepted accounting principles on financial statements, especially in terms of managements financial reporting strategy.

### **PTMA 3450 The Quality Manager (3)**

This course provides a thorough understanding of the principles, terms, and concepts of quality management to include quality standards, implementing organizational assessments, and building and maintaining customer satisfaction.

### **PTMA 3460 The Quality Auditor (3)**

This course provides a thorough understanding of the standards and principles of auditing, and the auditing techniques of examining, questioning, evaluating, and reporting to determine a quality system's adequacy and deficiencies. Students will learn how to analyze all elements of a quality system and judge its degree of adherence to the criteria of industrial management and quality evaluation and control systems.

### **PTMA 3465 Quality Process Control for Non-Statisticians (3)**

This course teaches students how to translate organizational missions and strategies into comprehensive sets of performance measures using proactive indicators of performance such as financial, customer, internal process data, and indicators of learning and innovation.

### **PTMA 3500 Methods of Performance and Productivity Assessment (3)**

This course is designed to expose students to fundamental theories of organizational performance measurement, such as Management by Objectives and Total Quality Management. In addition, the course will train managers in the use of these techniques for the purpose of improving the overall management and operation of organizations.

### **PTMA 3510 Organizational Fraud Conduct and Procedures (3)**

Emphasis on the conduct of fraud examinations, including a discussion of specific procedures used in forensic examinations and the reasoning behind the use of these procedures. Coverage extends to detection, investigation, and prevention of specific types of fraud committed against organizations and individuals.

### **PTMA 3600 Organizational Marketing (3)**

This is a survey course of the field of marketing and its role within an organization. It examines marketing concepts, terms, and management and includes study of the areas of product development, place, promotion, and price.

### **PTMA 3650 Global Marketing (3)**

This course will introduce students to the fundamental concepts of marketing and business used in an international marketing environment. There will be special emphasis on cultural influences and the political, legal, and economic environments that make up the global economy. Students will learn how to conduct market research through the analysis of product planning, promotion, adaptability, foreign exchange and international finance, distribution channels, and alternative methods of operating.

### **PTMA 3990 Contract Management (3)**

This course presents students with an overview of the process of identifying opportunities (grants or RFPs, for example), responding, securing, and managing work in a contract environment. Students will gain insight into the legal, procedural, and policy environments relative to contract work.

### **PTMA 4020 Written Professional Communication (3)**

*Prerequisites:* ENGL 1010/1020 or AOM 2300

Communication theory applied to the professions with emphasis on effective writing. Practices and mechanics of researching, writing, and editing reports, proposals, procedures/policies, and typical business correspondence will be included. Students will be exposed to information technology, ethics in writing, and intercultural communications.

### **PTMA 4100 Economic Issues for Organizations (3)**

This course frames economic issues from the perspective of organizations and how organizations respond. The content will cover both micro and macro economic perspectives. Students will have the opportunity to apply economic principles to a wide variety of cases presented and available to students, as content is made available.

### **PTMA 4220 White Collar Crime (3)**

An examination of the nature and extent of white collar crime to include the concepts, trends, theoretical explanations, the methods and mechanics of social control used by society and the criminal justice system in this context.

## 464 School of Tech and Public Mgt Course Descriptions

### **PTMA 4400 Strategic Planning for Organizations (3)**

This course provides a pragmatic study of the design and development of strategic thinking and organizational alignment that can yield high-impact results and measurably add value to the organization, its clients, and society.

### **PTMA 4500 Management of Operations (3)**

This course consists of a managerial overview and analysis of business concepts and strategies. Emphasis is on the study of incorporating major functions of business, enabling organizations to improve efficiency and effectiveness in the highly competitive global and local markets. Specific topics to be covered include planning, communication, material management, safety, marketing, finance, government, and society.

### **PTMA 4600 Project Management (3)**

This course presents students with an overview of project management environments with an emphasis on the basic building blocks of selection, planning, managing, and closing out projects. The use of technology as a management tool will be explored in some detail as well. Students are encouraged to take this course toward the end of their program.

### **PTMA 4800 Organizational Training and Development (3)**

Investigates theories of learning and instructional development for the education and training of employees. Topics include instructional design, implementation, evaluation, and management of training in organizational environments. Trends and careers in training and development and the role of training as a technology implementation strategy, and the trainer as a change agent are emphasized.

### **PTMA 490A Special Problems in Professional Studies (1)**

### **PTMA 490B Special Problems in Professional Studies (2)**

### **PTMA 490C Special Problems in Professional Studies (3)**

Specialized independent study under the direction of a faculty member. Junior standing and supervising faculty approval of research topic(s) are required.

### **PTMA 4990 Professional Studies Capstone (3)**

*Prerequisite: completion of 36 hours of upper division credit which has been accepted and applied to the degree requirements for the Bachelor of Science in Professional Studies*

This course is the capstone learning experience for the Professional Studies major. It focuses on how organizations formulate, implement, and evaluate strategies. The course is designed to integrate the student's functional organizational knowledge in the service of completing a strategic analysis of an existing organization or through building a strategic plan for an entrepreneurial venture

### **PTMA 4995 Special Topics in Professional Studies (3)**

This course is designed to address specific current problems and topics in the area of management. Relative importance of current trends and issues in the field of management and availability of faculty expertise and/or experience will determine the frequency of course offering. Course will be offered as an elective within the Bachelor of Professional Studies program.

## **PUBLIC MANAGEMENT (PM)**

### **PM 2500 Statistics for Public Management (3)**

Introduction to basic statistics needed for conducting social science research.

### **PM 3010 Developing Volunteer Programs (3)**

This class is designed to foster and develop a theoretical understanding and a practical application for private citizens/agencies and public agencies to work together in providing a wide range of public services, from feeding and clothing, neighborhood crime watch, and Habitat for Humanity to mental health assistance. In this class we will explore and examine effective methods for managing volunteer programs supported by private and public agencies. This analysis will be conducted from an historical perspective.

### **PM 3140 Introduction to the Legal Process (3)**

Provides a basic background in the United States legal process for students who want only an overview of the process or who plan to take additional courses in the legal field. The course will survey the history of the common law, legal reasoning, basic terminology, legal research, and the legal profession, and provide an introduction to civil and criminal processes.

### **PM 3150 The American Criminal Justice System (3)**

Describes and analyzes the system's operational components from a multi-disciplinary perspective. Material is drawn from administrative sciences, law, human behavior, sociology, psychology, and political science, in addition to criminal justice.

### **PM 3160 Civil Rights and Civil Liberties (3)**

Focuses on civil liberties in terms of congressional statutes and judicial rulings. The impact of judicial rulings on the implementation and administration of statutory law is examined.

### **PM 3170 Criminal Law (3)**

Provides an analysis of the nature and theories of law and the substantive nature of common law and statutory law regarding criminal sanctions. Constitutional case law is the primary mode of analysis.

### **PM 3180 Criminal Procedures (3)**

The procedural aspects of criminal law pertaining to police powers, in connection with the laws of arrest search and seizure, the exclusionary rule, eavesdropping, confessions, and related decision making factors.

### **PM 3200 Public Sector Management (3)**

Management in the public sector with a special focus on the ways in which government employs a wide variety of disciplines in the implementation of public policy.

### **PM 3230 Public Personnel Administration (3)**

Governmental policies in the United States relating to the staffing of public administrative agencies. Examination of the structure of the civil service system, personnel recruitment, selections, training, and collective bargaining by public employees.

### **PM 3235 Public Policy Analysis (3)**

The policy-making process with emphasis on policy analysis. Specific policy areas included for analysis are welfare, criminal justice, education, civil rights, energy, the environment, and regulation of the economy.

## 466 School of Tech and Public Mgt Course Descriptions

### **PM 3240 Public Budgeting and Financial Management (3)**

Budgeting and financial management in the public sector. Reviews the governmental revenues and expenditures. Analyzes the practices and procedures of public financial management.

### **PM 3250 The Principles and Practice of Urban Planning (3)**

Methods and procedures used in urban planning; practical dimensions of collecting, reviewing, and developing plans useful for local projects.

### **PM 3310 Race and Cultures in Administration and Politics (3)**

An examination of controversies relating to racial integration of schools, neighborhoods, and the workplace. An analysis of the relationship between racism and workplace, crime, family disorganization, and the role of racial fears, along with reasons for not eliminating injustice through changes in policy and legislation.

### **PM 3400 Women and Administration (3)**

The role of women in administration. A focus on the problems and opportunities in the workplace with the entrance of women in administration.

### **PM 3710 Evaluation and Effectiveness (3)**

This course is designed to expose students to the prominent techniques of individual group and team performance evaluation. It is also designed to develop managers trained to utilize and apply these techniques to public and quasi-public sector organizations, for the purpose of quantifying individual, team, and group performance and for improving organizational effectiveness.

### **PM 3760 Methods and Research for Administration (3)**

The nature of the scientific method and basic techniques in social science research as applied to the collection, analysis, and interpretation of social and management data.

### **PM 4090 Comparative Public Administration (3)**

Introduction to the governmental administrative and political systems of both developed and underdeveloped countries. Focus on the political system and its manifestation in the administrative system.

### **PM 4100 Normative Theory and Public Management (3)**

Classical conception of political philosophy through an in-depth study of how the major political philosophers dealt with the problems of individual and social justice, the best possible regime forms, and the natural criteria of evaluating and judging the management of public institutions.

### **PM 4120 Organizational Theory and Behavior (3)**

An introduction to organizational theory and its relationship to behavior and management.

### **PM 4320 Administrative Law (3)**

The procedural law of public agencies and the exercise of discretion and control through internal procedures and judicial review. Special emphasis is directed toward the legal environment of public administration and the impact of court decisions on the administrative process.

### **PM 4330 Political Aspects of Criminal Behavior (3)**

An examination of criminal behavior of individuals and the effects of their behavior on the political system. Both the reality of criminal behavior and the perception of crime will be examined in relation to measures taken to control the behavior of criminals.

### **PM 4340 Public Sector Labor Law (3)**

An examination of the emergence and impact of unionization and collective bargaining on the public sector, with emphasis on the role of the public administrator. Administrative and court decisions to examine issues of current significance concerning public sector labor relations.

### **PM 4350 Employment Discrimination Law (3)**

Concentrates on employment distinctions based on invidious grounds such as race, gender, religion, national origin, age, and handicaps. It examines Title VII of the Civil Rights Act of 1964, the Age Discrimination Act, the Equal Pay Act, and various executive orders pertaining to employment discrimination.

### **PM 4360 Ethics in Public Administration and Not-for-Profit Organizations (3)**

The management of public and non-profit organizations must be, by definition, ethical. This is an undergraduate course on ethical management for public services and non-profit organizations. The main purpose of this course is to provide a comprehensive coverage of ethical issues in managing public services and a variety of not-for-profit organizations. This course introduces students to various aspects of administrative ethics with specific reference to public sector management. The seminar-style course is designed to help students learn about the basic ethical principles that should guide administrative decision making within the public sector. By the end of the course, students should be familiar with the different paradigms and ethical constructs that are inherent within the process of ethical reasoning. An underlying theme of this course is one of intertwining theory and practice. In fact, ethical theories will be tested out in practice, and practice will be grounded in theory.

### **PM 4370 Managing Not-for-Profit Organizations (3)**

The non-profit sector is the fastest growing category of organizations in the U.S. This course focuses on key aspects of managing a variety of not-for-profit organizations. It also identifies some of the controversial issues and challenges facing the non-profit sector. This course is designed to be an exploration of the goals and activities of the Not-For-Profit (NFP), Private Volunteer Organization (PVO), and Non-Governmental Organization (NGO), and of the wide variety of issues faced by employees and managers in these organizations.

### **PM 4380 Training and Development in Public Sector and Non-Profit Organizations (3)**

This undergraduate course is designed to provide students interested in the field of human resources with knowledge and skills necessary to understand the processes of learning, training, and development and their applications in public and non-profit organizations. This course is a guide to the design, implementation, and evaluation of training needs; design of relevant training curricula; implementation of training programs with appropriate training methods and trainers; and effective evaluation of training programs with reference to the job performance of the employee and organizational effectiveness.

## 468 School of Tech and Public Mgt Course Descriptions

### **PM 451A, B, C Selected Topics in Public Management (3 each)**

*Prerequisite: must have department chair's permission*

An examination of a selected topic in public management by an instructor on a one-time basis.

### **PM 4810 Professional Seminar in Public Management (3)**

Professional skill development seminar for those students preparing for public management internships.

### **PM 4860 Public Management Internship and Practicum (6)**

Supervised work experience with a cooperating governmental or quasi-governmental agency. Students also must meet biweekly in a seminar organized around topics relating to the intern experience.

## **WELDING TECHNOLOGY (WT)**

### **WT 1050 Introduction to Welding Processes (3)**

Preparation for entry into the field of welding. Basic fundamentals of gases, filler rods, and basic metallurgic principles: Arc, TIG, and MIG welding machines. Shop practices with safety emphasized.

### **WT 1150 Basic Oxy-Acetylene Welding (3)**

Making of various types of welded joints using steel and brazing rods on mild steel plate in the various welding positions, safe handling of fuel gases and bead, butt, lap and fillet welds, and flame cutting.

### **WT 1250 Basic Arc Welding (3)**

Safe use of manual arc welding equipment and welded joint designs, bead formation, equipment and electrode selection, and joint designs.

### **WT 1300 Basic Tungsten Inert Gas Welding (3)**

*Prerequisite: WT 1050 or permission of adviser or instructor*

Inert-gas shielded arc welding (TIG) with manually operated torch, set-up and adjustment, and manipulative skill, ferrous, and non-ferrous metals.

### **WT 2050 Metal Inert Gas Welding (3)**

*Prerequisite: WT 1050 or permission of adviser or instructor*

Manipulative welding skills using a semi-automatic welding gun, welding basic joints, and maintenance and adjustment of equipment for MIG machines.

### **WT 2250 Advanced Arc Welding (3)**

*Prerequisite: WT 1250 or permission of adviser or instructor*

Cutting and preparing steel plate for single vee-groove welds; making butt, fillet, and groove welds, using stringer and weave bead; structural certification test procedures; and typical structural test plates are cut, beveled, and welded.

### **WT 2350 Advanced Tungsten Inert Gas Welding (3)**

*Prerequisite:* WT 1300 or permission of adviser or instructor

A continuation of the TIG process; joining of heavy gauge nonferrous metals; ferrous and nonferrous pipe welding; flat, vertical, horizontal, and overhead welding methods for TIG and SMA pipe welding.

### **WT 2450 Specialized Welding Processes (3)**

*Prerequisites:* WT 1150, WT 1300, WT 2050 or permission of adviser or instructor

Methods of brazing, oxy-acetylene aluminum welding, cast iron welding, and oxy-acetylene stainless steel welding; MIG process of welding aluminum.

### **WT 2550 Principles of Pipe Welding (3)**

*Prerequisite:* WT 1250 or permission of adviser or instructor

Pipe cut-off, joint preparation and setup, welding various sizes and thicknesses of pipe, 5G and 6G positions, pipe equipment, operation, and preparation.

### **WT 2650 Welding Metallurgy and Blueprint Symbols (3)**

Weldability of metals; effects of heat on different metals, joint design, and welding stress control; preequalizing welding certification procedures; testing of weldness and code welding procedures; and welding symbols in blueprint sketches.

### **WT 2700 Certification Practices-Plate Welding (3)**

*Prerequisites:* WT 2250, WT 2650 or permission of adviser or instructor

Welding of plate steel in all positions to meet certification standards of the American Welding Society; destructive and nondestructive test methods.

# Appendixes

AUSTIN PEAY STATE UNIVERSITY  
**Appendix A**  
**HIGH SCHOOL UNITS THAT MEET TENNESSEE BOARD OF  
 REGENTS ADMISSIONS REQUIREMENTS**

**English - 4 units required**

**Courses Fulfilling Requirements**

English I, II, III, IV  
 Applied Communication<sup>1</sup>

**Courses Not Fulfilling Requirements**

Business Communication  
 Journalism  
 Speech

**Foreign Language - 2 units required**

**Courses Fulfilling Requirements**

*(must be in the same language)*

French  
 German  
 Japanese  
 Latin  
 Russian  
 Spanish  
 Other Languages

**Courses Not Fulfilling Requirements**

Computer Language  
 American Sign Language

**Natural/Physical Sciences - 2 units required** (1 unit MUST be from group A; must be 1 year units)

**Courses Fulfilling Requirements**

At least 1 unit MUST be from Group A

**Group A**

Biology I, II  
 Biology for Technology  
 Chemistry I, II  
 Earth Science  
 Principles of Technology I, II  
 Physics

**Group B**

Anatomy and Physiology  
 Ecology  
 Environmental Science (AP)  
 Geology  
 Nutrition Science  
 Physical Science  
 Agriscience<sup>2</sup>

**Courses Not Fulfilling Requirements**

Environmental Science (Non-AP)  
 Life Science

## 472 Appendixes

**Mathematics - 3 units required** (2 units of algebra required and 1 additional unit)

**Courses Fulfilling Requirements**

Algebra I  
Technical Algebra  
Calculus, Precalculus  
Algebra II, Geometry  
Advanced Algebra, Trigonometry  
Technical Geometry  
Statistics<sup>4</sup>  
Discrete Math with Probability  
OR  
Mathematics - 3 units required - Integrated Math Sequence  
Integrated Math I, II, III

**Courses Not Fulfilling Requirements**

Accounting I, II, III  
Applied Mathematics I, II  
Arithmetic, Business Math  
Computer Technology  
Pre-Algebra, Competency Math  
Foundations I, II  
Math for Technology

**Social Studies - 1 unit required** (\*fulfills requirements for graduates prior to 1993)

**Courses Fulfilling Requirements**

Ancient History  
European History  
Modern History  
World History  
World Geography  
Sociology\*

**Courses Not Fulfilling Requirements**

Anthropology\*  
Civics\*  
Contemporary Issues\*  
Economics\*  
Psychology\*  
US Gov\*  
Sociology

**U.S. History - 1 unit required**

**Courses Fulfilling Requirements**

U.S. History

**Visual/Performing Arts - 1 unit required**

*Required for graduates in 1993 and after*

**Courses Fulfilling Requirements**

Vocal or Instrumental Music  
General Music or Music Theory  
Theatre Arts (Drama)  
Art or Music History  
Visual Arts or Art  
Dance I, II, III, IV

**Courses Not Fulfilling Requirements**

Physical Education  
Industrial Arts  
Drafting  
Public Speaking (Speech)  
Commercial Art

### Tennessee High School Courses Which Meet the University of Tennessee and Tennessee Board of Regents University Admissions Requirements

**TBR Unit Requirements**

Mathematics  
  
Natural/Physical Sciences

**High School Courses No Longer Offered  
BUT Still Meeting Admission Requirements<sup>1</sup>**

Math IV (1 unit)  
Pre-Calculus (1/2 - 1 unit)  
Probability & Statistics (1/2 credit)  
Trigonometry (1/2 unit)  
Unified Geometry (1 unit)  
Ecology and Conservation of Natural Resources  
General Science

## Appendix B: MEANS FOR REMOVING HIGH SCHOOL UNIT DEFICIENCIES

IMPORTANT: A unit deficiency is removed through a three or four semester hour course.

Students remove deficiencies in social studies, history, visual/performing arts, science, and geometry/advanced mathematics by completing the appropriate blocks of subject categories in the TBR Forty-One Semester Hour General Education Curriculum. Courses taken to remove deficiencies in the affected subjects also apply toward fulfillment of general education requirements.

Students may remove deficiencies of one or two units of a single foreign language through completion of an approved semester course in a single foreign language for each unit deficiency as specified by the college institution. Courses used to complete deficiencies in foreign language may be designated as electives and apply toward fulfillment of graduation requirements; however, in certain courses of study with restricted ranges of electives, these courses may become add-on hours.

HIGH SCHOOL	COURSE(S) TO REMOVE DEFICIENCY	CREDIT	HIGH SCHOOL	COURSE(S) TO REMOVE DEFICIENCY	CREDIT
ALGEBRA 1	MATH 1010 or 1530	3	NATURAL/ PHYSICAL	BIOL 1010/1020	4
	Enhanced Section			CHEM 1000	4
ALGEBRA 2	MATH 1010 or 1530	3	SCIENCE	CHEM 1010/1020	4
	Enhanced Section			GEOL 1040/1050	4
ADVANCED MATH/ GEOMETRY	MATH 1010 or 1530	3		ASTR 1010/1020	4
	Enhanced Section		PHYS 1200	4	
ENGLISH 4	ENGL 1010	3	SOCIAL STUDIES	ECON 2000/2010	3
	Enhanced Section			FIN 1000	3
US HISTORY	HIST 2010/2020	3		GEOG 1010/1020	3
				GEOG 1030	3
				HIST 1210/1220	3
VISUAL/ PERFORMING ARTS	ART 1030			POLS 2010/2040	3
	MUS 1030			POLS 2070	3
	THEA 1030			PSY 1010	3
FOREIGN LANGUAGE I	FREN 1010			SOC 2010/2050	3
	GERM 1010				
	SPAN 1010*				
	LATN 1010				
	JAPN 1010				
	GREK 1010				
FOREIGN LANGUAGE II	FREN 1020				
	GERM 1020				
	SPAN 1020*				
	LATN 1020				
	JAPN 1020				
	GREK 1020				

Course Exemptions by Nationally Standardized Examination: The appropriate CLEP/AP examination for each subject will be a means of removing unit deficiencies. Credit is awarded on the basis of minimum scores and satisfactory essays, if required.

\* Spanish 101A and 101B are equivalent to Spanish 1010 and are offered during short terms at Austin Peay Center @ Fort Campbell. Similarly, 102A and 102B are equivalent to Spanish 1020.

## **Appendix C: REGULATIONS FOR CLASSIFYING STUDENTS IN-STATE OR OUT-OF-STATE FOR THE PURPOSE OF PAYING FEES AND TUITION**

The following are admissions policies for Austin Peay State University. These policies are in accordance with TBR Policy 3:05:01:00.

### **GENERAL PROVISIONS**

#### **I. Admission of Non-Tennessee Residents**

Applicants who are residents of states other than Tennessee are subject to the same admission requirements as in-state applicants.

#### **II. Residency Classification**

##### **A. Intent**

It is the intent that the public institutions of higher education in the state of Tennessee shall apply uniform rules, as described in these regulations and not otherwise, in determining whether students shall be classified “in-state” or “out-of-state” for fees and tuition purposes and for admissions purposes.

##### **B. Definitions**

Wherever used in these regulations:

1. “Public Higher Education Institution” shall mean a university or community college supported by appropriations made by the legislature of this state.
2. “Residence” shall mean continuous physical presence and maintenance of a dwelling place within this state, provided that absence from the state for short periods of time shall not affect the establishment of a residence.
3. “Domicile” shall mean a person’s true, fixed, and permanent home and place of habitation; it’s the place where he or she intends to remain and to which he or she expects to return when he or she leaves without intending to establish a new domicile elsewhere. Undocumented aliens cannot establish domicile in Tennessee, regardless of length of residence in Tennessee.
4. “Emancipated person” shall mean a person who has attained the age of eighteen years and whose parents have entirely surrendered the right to the care, custody, and earnings of such person and who no longer are under any legal obligation to support or maintain such deemed “emancipated person.”
5. “Parent” shall mean a person’s father or mother. If there is a non-parental guardian or legal custodian of an unemancipated person, then “parent” shall mean such guardian or legal custodian, provided that there are not circumstances indicating that such guardianship or custodianship was created primarily for the purpose of confirming the status of an in-state student on such unemancipated person.
6. “Continuous enrollment” shall mean enrollment at a public higher educational institution or institutions of this state as a full-time student, as such term is defined by the governing body of said public higher educational institution or institutions, for a normal academic year or years or the appropriate portion or portions thereof since the beginning of the period for which continuous enrollment is claimed. Such person need not enroll in summer sessions or other such intersessions beyond the normal academic year in order that his or her enroll-

ment be deemed continuous, notwithstanding lapses in enrollment occasioned solely by the scheduling of the commencement and/or termination of the academic years, or appropriate portion thereof, of the public higher educational institutions in which such person enrolls.

**C. Rules for Determination of Status**

1. Every person having his or her domicile in this state shall be classified “in-state” for fee and tuition purposes and for admission purposes.
2. Every person not having his or her domicile in this state shall be classified “out-of-state” for said purposes.
3. The domicile of an unemancipated person is that of his or her parent. Unemancipated students of divorced parents shall be classified “in-state” when one parent, regardless of custodial status, is domiciled in Tennessee.
4. The spouse of a student classified as “in-state” shall also be classified as “in-state.”

**D. Out-of-State Students Who Are Not Required to Pay Out-of-State Tuition**

1. An unemancipated, currently enrolled student shall be reclassified out-of-state should his or her parents, having theretofore been domiciled in the state, remove from the state. However, such student shall not be required to pay out-of-state tuition nor be treated as an out-of-state student for admission purposes, so long as his or her enrollment at the public higher educational institution or institutions shall be continuous.
2. An unemancipated person whose parent is not domiciled in this state but is a member of the armed forces and stationed in this state or at Fort Campbell pursuant to military orders shall be classified out-of-state, but shall not be required to pay out-of-state tuition. Such a person, while in continuous attendance toward the degree for which he or she is currently enrolled, shall not be required to pay out-of-state tuition if his or her parent thereafter is transferred on military orders.
3. A person whose domicile is in a county of another state lying immediately adjacent to Montgomery County or whose place of residence is within thirty (30) miles of Austin Peay State University shall be classified out-of-state, but shall not be required to pay out-of-state tuition at Austin Peay State University.
4. Part-time students who are not domiciled in this state, but who are employed full-time in the state or who are stationed at Fort Campbell, KY pursuant to military orders, shall be classified out-of-state, but shall not be required to pay out-of-state tuition. This shall apply to part-time students who are employed in the state by more than one employer, resulting in the equivalent of full-time employment.
5. Military personnel and their spouses stationed in the state of Tennessee who would be classified out-of-state in accordance with other provisions of these regulations will be classified out-of-state, but shall not be required to pay out-of-state tuition. This provision shall not apply to military personnel and their spouses who are stationed in this state primarily for educational purposes.
6. Dependent children who qualify and are selected to receive a scholarship under the Dependent Children Scholarship Act (TCA 49-4-704) because their parent is a law enforcement officer, fireman, or emergency medical service technician who is killed or totally and permanently disabled while performing duties within the scope of their employment shall not be required to pay out-of-state tuition.
7. Students who are selected to participate in the institution’s Honors program.

This waiver is dependent on availability of funds.

8. Active-duty military personnel who begin working on a college degree at a TBR institution while stationed in Tennessee or Ft. Campbell, KY, and who are transferred or deployed prior to completing their degrees, can continue to completion of the degrees at that same institution without being required to pay out-of-state tuition, as long as he/she completes at least one (1) course for credit each twelve (12) month period after the transfer or deployment. Exceptions may be made in cases where the service member is deployed to an area of armed conflict for periods exceeding twelve (12) months.
9. Students who participate in a study abroad program, when the course or courses in the study abroad program is/are the only course(s) for which the student is registered during that term. This waiver is dependent on availability of funds.
10. Students who are awarded tuition waiver scholarships for participation in bona fide campus performance based programs, according to established guidelines, shall not be required to pay out-of-state tuition. This waiver is dependent on availability of funds.

**E. Presumption**

Unless the contrary appears from clear and convincing evidence, it shall be presumed that an emancipated person does not acquire domicile in this state while enrolled as a full-time student at any public or private higher educational institution in this state, as such status is defined by such institution.

**F. Evidence to be Considered for Establishment of Domicile**

If a person asserts that he or she has established domicile in this state, he or she has the burden of proving that he or she has done so. Such a person is entitled to provide to the public higher education institution, by which he or she seeks to be classified or reclassified in-state, any and all evidence which he or she believes will sustain his or her burden of proof. Said institution will consider any and all evidence provided to it concerning such claim of domicile, but will not treat any particular type of item of such evidence as conclusive evidence that domicile has or has not been established.

**G. Process and Appeal Procedures**

The Admissions Clerk is responsible for initially classifying applicants for admission or readmission as either “in-state” or “out-of-state.” A decision by the Admissions Clerk may be appealed in writing to the residency classification officer in the Office of Admissions on an Application for Residency Classification form.

**H. Effective Date for Reclassification**

If a student classified out-of-state applies for in-state classification and is subsequently so classified, his or her “in-state” classification shall be effective as of the date on which reclassification was sought. However, out-of-state tuition will be charged for any semester during which reclassification is sought and obtained, unless application for reclassification is made on or before the last day of registration prior to classes.

# Administration and Faculty

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Charles Pinder, Ph.D.	Dean, College of Graduate Studies
Dixie Dennis, Ph.D.	Interim Dean, College of Professional Programs and Social Sciences
Joseph Weber, M.S.L.S.	Director, Library Services
Jaime Taylor, Ph.D.	Interim Dean, College of Science and Mathematics
Julia McGee, M.A.Ed.	Interim Dean, Extended and Distance Education
William Cox, Ed.D.	Executive Director of AP Center @ Fort Campbell
Telaina Wrigley, M.S.M.	Registrar
Ryan Forsythe, B.S., M.Ed.	Director, Office of Admissions
Harriett McQueen, Ph.D.	Dean, Enrollment Management and Academic Support
Donna Price, M.S.	Director, Student Financial Aid and Veterans Affairs
Patty Mulkeen, Ph.D.	Director, Institutional Research and Effectiveness
Tina Rousselot, B.A.	Coordinator, International Education

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Mitch Robinson, M.A.Ed., C.P.A.	Vice President for Finance /Administration
Tim Hurst, M.B.A., C.P.A.	Assistant Vice President for Finance
Sonja Stewart, B.B.A, C.P.A.	Director, Budgets and Planning
Lantz Biles, M.P.A.	Director, Public Safety
Manny Ballen	Acting Director, Physical Plant
Charles Wall, B.B.A.	Director, Information Technology
Phyllis Whittaker, M.B.A.	Director, Accounting Services
Andy Kean, M. Ed.	Director, University Center Facilities and Services
Ted Heidloff, Ph.D.	Director, Human Resources and Affirmative Action

**STUDENT AFFAIRS**

Sherryl A. Byrd, Ed.D.	Associate Vice President for Student Affairs
Gregory R. Singleton, M.S.	Dean of Students
Tammy Bryant, M.S.	Director, Student Affairs Programs and Services
TBA.	Director, African American Cultural Center
Lowell Roddy, D.Min.	Director, Student Counseling and Health Services
Jill DeGraauw, M.S.N.	Family Nurse Practitioner, Boyd Health Services
Connie Sanders.	Director, Child Learning Center

Beulah Oldham, M.S. . . . . . Director, Disability Services  
Miguel Ruiz, Ph.D. . . . . . Interim Director, Hispanic Cultural Center  
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Heidi Leming, M.A.Ed. . . . . . Director, Student Life and Leadership  
David Davenport, M.S. . . . . . Director, University Recreation

All addresses are: Austin Peay State University, Clarksville, TN 37044  
University Home Page: [www.apsu.edu](http://www.apsu.edu).

## FACULTY

NAJMUL ABEDIN (1998) . . . . . Professor of Public Management  
B.A., M.A., University of Dacca; Ph. D., University of Durham  
REX AMEIGH (2004) . . . . . Director and Associate Professor of Radiologic Technology  
B.S., University of Oklahoma; M.S., Florida Institute of Technology; B.A., Northwestern  
State University  
STEVEN J. ANDERSON (1983) . . . . . Professor of Marketing  
B.S., M.B.A., Northern Illinois University; D.B.A., Mississippi State University  
ANN ASSAD (2007) . . . . . Assistant Professor of Mathematics  
B.S., Tennessee Technological University; M.A., Murray State University; Ph.D., Southern  
Illinois University  
JOYCE AVOTRI (2003) . . . . . Assistant Professor of Sociology  
B.A., University of Ghana; Ph.D., McMaster University  
ROY L. BAKER (2000) . . . . . Assistant Professor of Management  
B.B.A. Cleary College; M.S.A. Central Michigan University; Ph.D., Walden University  
LINDA A. BARNES (1991) . . . . . Coordinator of Honors Programs and Professor of English  
B.A., M.A., University of Arkansas; Ph.D., Vanderbilt University  
ANDREW N. BARRASS (2003) . . . . . Assistant Professor of Biology  
B.S., M.S., Austin Peay State University; Ph.D., Vanderbilt University  
BETTIE C. BARRETT (2003) . . . . . Assistant Professor of Education  
M.Ed., Ph.D., University of Southern Mississippi  
CAROL J. BASKAUF (1993) . . . . . Professor of Biology  
B.A., Bluffton College; Ph.D., Vanderbilt University  
ELAINE W. BERG (2000) . . . . . Associate Professor of Library Administration  
B.A., Presbyterian College; M.A., University of South Carolina  
ANNE BLACK (1996) . . . . . Associate Professor of Health and Human Performance  
A.B., Princeton University; Ph.D., University of Connecticut  
KELL A. BLACK (1993) . . . . . Professor of Art  
B.A., State University of New York-Fredonia; M.F.A., University of Connecticut  
JOHN W. BLAKE (1994) . . . . . Associate Professor of Engineering Technology  
B.S., M.S., Ph.D. Northwestern University, Professional Engineer  
STUART B. BONNINGTON (1987) . . . . . Professor of Psychology  
B.A., Transylvania University; M.A., Southern Illinois University; Ed.D.,  
The University of Tennessee  
KIRSTEN J. BOYD (2007) . . . . . Assistant Professor of Mathematics  
B.A., Oxford University; Ph.D., Stanford University  
DAVID P. BRANDON (2007) . . . . . Assistant Professor of Theatre and Dance  
B.S., Rhodes College; M.F.A., Indiana University

## 480 Administration and Faculty

- CARRIE B. BRENNAN (2001) . . . . . Associate Professor of Chemistry  
B.S., Hartwick College; Ph.D., University of Pittsburgh
- CHAD S. BROOKS (2005) . . . . . Assistant Professor of Biology  
B.S., University of Tennessee-Martin; M.S., Middle Tennessee State University;  
Ph.D., University of Oklahoma
- DEWEY A. BROWDER (1992) . . . . . Chair and Professor of History  
B.S., Mississippi State University; M.A., University of Arkansas; Ph.D., Louisiana State  
University
- PENNYE K. BROWN (2005) . . . . . Instructor of Accounting  
M.S., Strayer University; M.B.A., Embry-Riddle Aeronautical University;  
B.B.A., Austin Peay State University
- TUCKER BROWN (2007) . . . . . Assistant Professor of Sociology  
B.S., The Pennsylvania State University; M.S., Ph.D., Arizona State University
- BENITA BRUSTER (2007) . . . . . Assistant Professor of Education  
B.S., Cameron University of Lawton; M.Ed., North Texas State University; Ph.D., Texas  
Woman's University
- SUSAN BRYANT (1980) . . . . . Professor of Art  
B.F.A., Indiana University; M.F.A., Indiana State University
- JOHN M. BRYDEN (2007) . . . . . Assistant Professor of Mathematics  
B.A., M.Sc., University of Calgary; Ph.D., University of Western Ontario
- LORI E. BUCHANAN (1986) . . . . . Professor of Library Administration  
B.A., University of North Carolina; M.L.S., Indiana University
- SPENCER BUCKNER (1999) . . . . . Associate Professor of Physics  
B.S.N., Austin Peay State University; M.S.N., Ed.D., Tennessee State University
- YURIY BULKA (2007) . . . . . Assistant Professor of Mathematics  
B.S., Kharkov National Aerospace University; M.A., University of Missouri; M.A.,  
Ph.D., University of Alabama
- WILLODEAN D.S., BURTON (1991) . . . . . Professor of Biology  
B.S., M.S., Tennessee State University; Ph.D., The University of Tennessee
- LUANNETTE BUTLER (1994) . . . . . Professor of Psychology  
A.B., University of Kentucky; M.A., Georgetown College; Ed.D. Tennessee State University
- THOMAS A. BUTTERY (2004) . . . . . Professor, School of Education  
B.A., Kean University; M.S., Ed.D., Indiana University
- MICHELE T. BUTTS (1993) . . . . . Professor of History  
B.A., M.A., Austin Peay State University; Ph.D., University of New Mexico
- JOHN BYRD (1980) . . . . . Assistant Professor of Engineering Technology  
B.S., Austin Peay State University; M.S., Murray State University
- WARNER JACK CALDWELL (2005) . . . . . Associate Professor of Agriculture  
B.S., Austin Peay State University; M.S., Ph.D., Clemson University
- PHYLLIS A. CAMILLERI (1994) . . . . . Professor of Geology  
B.S., San Diego State University; M.S., Oregon State University; Ph.D.,  
University of Wyoming
- MERCY CANNON (2007) . . . . . Assistant Professor of Languages and Literature  
B.S., Toccoa Falls College; M.A., Radford University; Ph.D., The University of Tennessee
- ARTHUR W. CARPENTER (1988) . . . . . Associate Professor of Physics  
B.S., University of Illinois; M.S., University of Florida; Ph.D., Florida State University
- CULLEY JANE CARSON-GREFE (2003) . . . . . Associate Professor of French and Spanish  
B.A., Pomona College; M.A., Ph.D., University of Oregon
- GLENN C. CARTER (1977) . . . . . Professor of Social Work  
B.S., Austin Peay State University; M.S.W., University of Kentucky

- KENNETH R. CERVELLI (2007) . . . . . Assistant Professor of Languages and Literature  
B.A., The University of Calgary; M.A., Western Kentucky University;  
Ph.D., Southern Illinois University
- CHIN-ZUE CHEN (1985) . . . . . Professor of Engineering Technology  
B.Ed., Taiwan Normal University; M.A., Eastern Michigan University; Ph.D.,  
Iowa State University
- CHRISTINA CHESTER-FANGMAN (2006) . . . . . Assistant Professor of Library Administration  
B.A., Austin Peay State University; M.S.L.S., University of Kentucky
- FLOYD L. CHRISTIAN, JR. (1986) . . . . . Professor of Mathematics  
A.B., Birmingham Southern; M.A., Samford University; Ph.D., University of Mississippi
- ROGER W. CLARK (1992) . . . . . Associate Professor of Accounting  
B.S., Middle Tennessee State University; J.D., Ph.D., The University of Tennessee; C.P.A.
- DAVID J. COCHENER (1987) . . . . . Professor of Mathematics  
B.A., Austin College; M.S., Ph.D., Texas Christian University
- DEBORAH A. COCHENER (1987) . . . . . Administrative Specialist, Associate Professor  
B.A., M.A.T., Angelo State University
- CHARLES WALLACE CROSS (1987) . . . . . Professor of History  
B.S., M.A., Austin Peay State University; Ph.D., Vanderbilt University
- DON CHARLES DAILEY (1991) . . . . . Chair and Professor of Biology  
B.S., University of Southern Indiana; Ph.D., Indiana University School of Medicine
- DORIS S. DAVENPORT (1992) . . . . . Professor of Nursing  
B.S.N., Austin Peay State University; P.N.P., M.S.N., The University of Tennessee at  
Chattanooga; D.S.N., University of Alabama
- LESLEY DAVIDSON (2006) . . . . . Instructor of Business  
B.B.A., Austin Peay State University; M.A., Belmont University
- LINDA K. DAVIS (2007) . . . . . Associate Professor of English Education  
B.S., Tennessee Technological University; M.Ed., Ed.S., Middle Tennessee State  
University; Ed.D., Tennessee State University
- JACK E. DEIBERT (1998) . . . . . Professor of Geology  
B.S., Sonoma State University; M.S., University of Nevada; Ph. D., University of Wyoming
- MARGARET N. DEITRICH (1990) . . . . . Professor of Education  
B.S., The Pennsylvania State University; M.A., Ph.D., Michigan State University
- DIXIE L. DENNIS (2005) . . . . . Interim Dean, College of Professional Programs and Social  
Services, and Professor of Health and Human Performance  
B.S., M.S., Austin Peay State University; Ph.D., Southern Illinois University
- DAVID W. DENTON (1994) . . . . . Interim Provost and Vice President for Academic and  
Student Affairs and Professor of Psychology  
B.A., M.S., University of Tennessee-Chattanooga; Ph.D., University of Tennessee
- JAMES T. DIEHR, . . . . . Professor of Art
- NEIL DORTCH (2007) . . . . . Assistant Professor of Management  
B.S., Austin Peay State University; M.S., Northern Illinois University;  
Ph.D., University of Wisconsin
- LENI DYER (2001) . . . . . Associate Professor and Coordinator of Theatre and Dance  
B.A., Kennesaw State University; M.F.A., University of Alabama at Tuscaloosa
- ARTHUR J. EAVES (1978) . . . . . Associate Professor of English  
B.A., Columbia University; Ph.D., University of Notre Dame
- PAUL EGLI (2007) . . . . . Assistant Professor of Military Science  
B.A., University of Iowa

## 482 Administration and Faculty

- JILL E. EICHHORN (2000) . . . . . Associate Professor of English and Coordinator  
of Women's Studies  
B.A., M.A., University of Montana; Ph.D., Miami University of Ohio
- ROY ELDRIDGE (2005) . . . . . Instructor of Military Science
- DEBBIE ELLIS (2007) . . . . . Assistant Professor of Nursing  
B.S.N., M.S.N., Austin Peay State University
- TAYLOR EMERY (2004) . . . . . Instructor of English  
B.S., M.A., Austin Peay State University
- DWAYNE ESTES (2007) . . . . . Assistant Professor of Biology  
B.S., Middle Tennessee State University; Ph.D., University of Tennessee
- SUE CLOUD EVANS (1980) . . . . . Associate Professor of Administrative Office Management  
B.S., University of North Alabama; M.Ed., Ed.D., University of Memphis
- BLAS G. FALCONER (2003) . . . . . Assistant Professor of English  
B.A., George Mason University; M.F.A., University of Maryland; Ph.D.,  
University of Houston
- FRANCISCA FARRAR (2006) . . . . . Director and Professor of Nursing  
B.S.N., M.S.N., Ed.D., Vanderbilt University
- PATRICIA FERRIER (2007) . . . . . Assistant Professor of Communications  
B.S., M.A., Austin Peay State University; Ph.D., Ohio University
- DEBORAH L. FETCH (1993) . . . . . Professor of Library Administration  
A.B., M.S., University of Illinois
- INGA A. FILIPPO (1986) . . . . . Associate Professor of Library Administration  
B.S., Austin Peay State University; M.L.S., Vanderbilt University
- MACK T. FINLEY (1987) . . . . . Professor of Biology  
B.S., Austin Peay State University; M.S., Ph.D., Mississippi State University
- JOHN D. FOOTE (1970) . . . . . Professor of Chemistry  
B.S., Ph.D., Mississippi State University
- GLORIA JUNKIN FRANK (1979) . . . . . Professor of Music  
B.M., The Cleveland Institute of Music; M.A., Texas Woman's University; Ph.D.,  
North Texas State University
- JILL FRANKS (1996) . . . . . Professor of English  
B.A., University of New Hampshire; J.D., Western New England College; M.A.,  
University of Massachusetts, Amherst; Ph.D., Rutgers University
- DANIEL L. FREDERICK (1994) . . . . . Professor of Geology  
B.S., Indiana University; M.S., Northern Illinois University; Ph.D.,  
The University of Tennessee
- KEMPA S. FRENCH (2005) . . . . . Assistant Professor of Nursing  
B.S., University of Tennessee Center of Health Sciences; M.S.N.,  
University of Tennessee-Memphis
- CHRISTOS FRENTZOS (2006) . . . . . Assistant Professor of History and Philosophy  
B.A., M.A., University of New Orleans; Ph.D., University of Houston
- SAMUEL S. FUNG (1988) . . . . . Chair and Professor of Psychology and Interim Associate  
Dean, College of Professional Programs and Social Sciences  
B.Th., Central Taiwan Theological College; B.A., M.A., Azusa Pacific University;  
D.Min., Western Evangelical Seminary; M.A., Ph.D., Temple University
- GINA GARBER (2004) . . . . . Assistant Professor of Library Administration  
M.S., The University of Tennessee
- ELIZABETH ANNE GLASS (1975) . . . . . Professor of Music  
B.M., Stetson University; M.M., George Peabody College

- REBECCA A. GLASS (1986) . . . . . Professor of Health and Human Performance  
B.S., M.Ed., University of Montevallo; Ed.D., Auburn University
- WILLIAM K. GLUNT (1992) . . . . . Professor of Mathematics  
A.A., Henderson Community College; B.S., Indiana State University; M.S., Ph.D.,  
University of Kentucky
- MONIQUEKA E. GOLD (1999). . . . . Associate Professor of Education  
B.S., Austin Peay State University; M.Ed., Ed.D., Vanderbilt University
- DWONNA GOLDSTONE (2001) . . . . . Assistant Professor of English  
B.A., University of Iowa; M.A.T., Brown University; Ph.D., University of Texas
- JAMES K. GOODE (1980). . . . . Professor of Agriculture  
B.S., Texas A&M University; M.Ed., University of Georgia; Ph.D., University of Missouri
- JAMES MICHEAL GOTCHER (1990) . . . . . Professor of Communication  
B.S., Austin Peay State University; M.A., University of Florida; Ph.D.,  
Louisiana State University
- SARA E. GOTCHER (1990) . . . . . Associate Professor of Theatre  
B.A., Austin Peay State University; M.F.A., University of Florida; Ph.D.,  
Louisiana State University
- CHARLES GRAH (1977) . . . . . Professor of Psychology  
B.A., San Diego State University; M.A., Ph.D., University of New Mexico
- PAMELA J. GRAY (2005) . . . . . Assistant Professor of Communication  
B.S., University of Kentucky; M.A., Western Kentucky University; Ph.D.,  
University of Kentucky
- ANNA GREGG (2007). . . . . Instructor of Political Science  
B.S., Leningradski Public Agrarian University; M.P.A., Ph.D., Southern Illinois University
- LORETTA A. GRIFFY (1991) . . Associate Professor of Mathematics in Developmental Studies  
B.S., Austin Peay State University; M.S., The University of Memphis;  
Ed.S., Austin Peay State University; Ed.D., Tennessee State University
- DAVID GRIMMETT (1983) . . . . . Associate Professor of Management  
B.S.A.E., West Virginia University; M.B.A., Austin Peay State University; Ph.D., P.E.,  
St. Louis University
- DAVID GUEST (1992). . . . . Interim Chair of Languages and Literature and  
Associate Professor of English  
B.A., University of South Carolina; M.A., University of North Carolina; Ph.D., Vanderbilt  
University
- JAMES RONALD GUPTON (1970) . . . . . Professor of Mathematics  
B.A., Austin Peay State University; M.A., Ph.D., Vanderbilt University
- SHIRLEY HAGEWOOD (1978) . . . . . Associate Professor of Mathematics  
B.S., M.A.Ed., Austin Peay State University
- PATRICIA HALBECK (1988) . . . . . Professor of Music  
B.M., Northwestern University; M.Mu., University of North Carolina at Chapel Hill;  
D.M.A., University of Oklahoma
- KURT HALES. . . . . Assistant Professor of Military Science
- ROBERT W. HALLIMAN (1987). . . . . Associate Professor of Management Technology  
B.A.E., University of the State of New York-Regents College; M.A., Pepperdine University;  
Ed.D., University of Southern California
- STEVEN W. HAMILTON (1987) . . . . . Director, Center of Excellence for  
Field Biology, and Professor of Biology  
B.A., State University of New York-Geneseo; M.A., University of Kansas; Ph.D.,  
Clemson University

## 484 Administration and Faculty

- AMY HAMLIN (2003) . . . . . Assistant Professor of Nursing  
B.S., Carson Newman University; M.S.N., Michigan State University
- KAY D. HARALSON (1985) . . . . . Retention Analyst and Associate Professor  
B.S., M.A.Ed., Ed.S., Austin Peay State University
- CARLETTE J. HARDIN (1981) . . . . . Interim Director, School of Education and  
Professor of Education  
B.S., M.A., Austin Peay State University; Ed.D., George Peabody College
- CHRISTOPHER HARDIN (2007) . . . . . Assistant Professor of Theatre and Dance  
B.A., Birmingham-Southern College; M.A., Oklahoma State University;  
M.F.A., University of Alabama
- JOYCE A. HARGROVE (1995) . . . . . Chair and Associate Professor of Social Work  
B.S., Tennessee State University; M.S.S.W, The University of Tennessee
- MARCUS HAYES (2007) . . . . . Assistant Professor of Dance  
B.A., Beloit College; M.F.A., Mills College
- BRIAN J. HOCK (2005) . . . . . Assistant Professor of Psychology  
B.S., Lake Superior State University; M.A., Ph.D., Kent State University
- BONNIE M. HODGE (1990) . . . . . Associate Professor  
B.S., M.S., Troy State University
- LARRY HOEHN (1979) . . . . . Chair and Professor of Mathematics  
B.S.E., Southeast Missouri State University; M.A., Ed.D., The University of Tennessee
- D. SEAN HOGAN (2001) . . . . . Associate Professor of Library Administration  
B.S., University of Alabama-Huntsville; MLIS, University of Alabama
- MICHAEL HOOPER (2004) . . . . . Assistant Professor of Library Administration  
B.S., Western Kentucky University; M.S., University of Tennessee
- C. ALVIN HUGHES (1979) . . . . . Professor of History  
B.A., Morris Brown College; M.A., Northwestern University; Ph.D., Ohio University
- ROBYN W. HULSART (2006) . . . . . Chair and Assistant Professor of Professional Studies  
B.S., Austin Peay State University; M.A., Webster University; M.ACC., Florida Atlantic  
University; Ed.D., University of Nebraska
- UMA JANARDANA IYER (2001) . . . . . Associate Professor of Psychology  
B.A., M.A., M.Phil., University of Kerala, India; Ph.D., Indian Institute of Technology, India
- ELEANOR JATOR (2006) . . . . . Assistant Professor of Biology  
B.S., M.S., University of Ilorin, Nigeria; M.S., ASCP, Austin Peay State University;  
Ph.D., CA University
- SAMUEL N. JATOR (1998) . . . . . Associate Professor of Mathematics  
B.S., M.S., Ph.D., University of Ilorin, Nigeria
- BETTY JOBLIN (1980) . . . . . Professor of Social Work  
B.A.S.W., Mississippi State University; M.S.S.W., The University of Tennessee
- SHARON JOHNSON (1992) . . . . . Associate Professor of Library Administration  
B.A., Atlantic Union College; M.L.S., George Peabody College
- BARRY R. JONES (2005) . . . . . Assistant Professor of Art  
B.F.A., Austin Peay State University; M.F.A., University of South Carolina
- MATTHEW O. JONES (2005) . . . . . Assistant Professor of Mathematics  
B.S., Middle Tennessee State University; M.S., Ph.D., Georgia Institute of Technology
- REBECCA JONES (2004) . . . . . Assistant Professor of Chemistry  
B.S., Ohio State University; M.S., Ph.D., University of Cincinnati
- DAVID W. KANERVO (1977) . . . . . Chair and Professor of Political Science  
B.A., Millikin University; M.A., Ph.D., University of Wisconsin
- PHILLIP R. KEMMERLY (1972) . . . . . Professor of Geology  
B.S., M.S., Kansas State University; Ed.D., Oklahoma State University

- KAREN KENASTON-FRENCH (2003) . . . . . Assistant Professor of Music and  
Director of Choral Activities  
B.A., West Virginia Wesleyan College; M.S.M., Perkins School of Theology;  
M. Music, Southern Methodist University; D.M.A., University of North Texas
- MATTHEW T. KENNEY (2001). . . . . Associate Professor of Political Science  
B.A., Northwestern University; M.A., Bryn Mawr College; M.A., Ph.D., Tulane University
- KIL-JOONG KIM (1980) . . . . . Professor of Economics  
B.A., Sogang University; Ph.D., University of Cincinnati
- B. ALEX KING III (2000) . . . . . Associate Professor of Physics  
B.A., Austin College; M.S., Southern Methodist University;  
Ph.D., University of Illinois at Chicago
- THOMAS R. KING (1988) . . . . . Professor of Music  
B.M.Ed., University of Kansas; M.M., Indiana University; M.A., D.A., University of  
Mississippi
- BARRY KITTERMAN (1995) . . . . . Professor of English  
A.B., University of California; M.F.A., University of Montana
- NICOLE KNICKMEYER (2004) . . . . . Assistant Professor of Psychology  
B.A., University of Missouri-St. Louis; M.S., Ph.D., University of Memphis
- NORMAN G. LANE (2000) . . . . . Assistant Professor of Military Science  
B.A., The Citadel; M.A., Austin Peay State University
- AMY F. LEBKUECHER (2005) . . . . . Assistant Professor of Biology (Rad. Tech.)  
R.T., Vanderbilt School of Allied Health; B.S., College of St. Francis; M.S., University  
of St. Francis
- JEFFERSON G. LEBKUECHER (1992) . . . . . Professor of Biology  
A.S., Volunteer State Community College; B.S., M.S., Tennessee Technological  
University; Ph.D., Vanderbilt University
- JEEYOUN KATHY LEE (2004) . . . . . Assistant Professor of Communication  
B.J.M.C., M.A., University of Nebraska-Lincoln
- SUTA LEE (2000) . . . . . Assistant Professor of Art  
B.F.A., Art Center College of Design; M.A., California State University; M.F.A.,  
Cornell University
- LISA LEWIS (2007) . . . . . Assistant Professor of Health and Human Performance  
B.S., M.S., Ed.S., Middle Tennessee State University; Ed.D., Tennessee State University
- NORA LEWIS (2007) . . . . . Assistant Professor of Music  
B.A., Lawrence University; B.M., Lawrence University Conservatory of Music; . . . . .  
M.M., Yale University School of Music; D.M., Northwestern University
- JIANG LI (2003) . . . . . Associate Professor of Computer Science and Information Technology  
B.S., M.S., Beijing Institute of Technology; Ph.D., University of Nebraska-Lincoln
- SAMUEL L. LIGO (2005). . . . . Chair and Professor of Military Science
- JEONGSUB LIM (2007) . . . . . Assistant Professor of Communication  
B.A., Soeul National University; M.A., Ph.D., University of Missouri-Columbia
- LEONARD LINDSAY (2007) . . . . . Associate Professor of Nursing  
B.S., M.P.H., B.S.N., M.S.N., The University of Tennessee
- LARRY LOWRANCE (1995) . . . . . Professor of Education  
B.A., Union University; M.Ed., Ed.D., The University of Memphis
- DONALD D. LUCK (1992) . . . . . Professor of Education  
B.A., Wartburg College; M.A., Ed.D., University of Northern Iowa
- SARAH LUNDIN-SCHILLER (1993) . . . . . Associate Professor of Biology  
B.A., The University of Tennessee; Ph.D., University of California, School of Medicine

## 486 Administration and Faculty

- SHARON C. MABRY (1970) . . . . . Professor of Music  
B.Mu.Ed., Florida State University; M.Mu.Ed., D.M.A., George Peabody College
- RAMON MAGRANS (1982) . . . . . Professor of English  
B.A., M.A., East Texas State University; Ph.D., Texas Technological University
- DAVID MAJOR (2004) . . . . . Associate Professor of English  
B.A., M.A., Western Kentucky University; Ph.D., Oklahoma State University
- SERGEI MARKOV (2006) . . . . . Assistant Professor of Biology  
M.S., Ph.D., Moscow State University
- CYNTHIA MARSH (1995) . . . . . Professor of Art  
B.F.A., Moore College of Art; M.F.A., Rochester Institute of Technology
- JOCELYN S. MARTIN (2005) . . . . . Assistant Professor of Social Work  
B.A., M.S.W., Ph.D., University of Kansas
- FRANCIS MASSINON (1992) . . . . . Professor of Music  
B.S., Indiana State University; M.M., Indiana University
- FRED J. MATTHEWS, JR. (1983) . . . . . Professor of Chemistry  
B.S., Baptist College of Charleston; M.S., Ph.D., Clemson University
- MARCY RUTH MAURER (1994) . . . . . Interim Chair, Department of Health and Human  
Performance, and Professor of Health and Human Performance  
B.S., The Ohio State University; M.A., Miami University; D.A.,  
Middle Tennessee State University
- KAREN A. MCFARLAND (2007) . . . . . Assistant Professor of Biology  
B.S., Ashland University; Ph.D., Vanderbilt University
- CYNTHIA H. MCWILLIAMS (2000) . . . . . Associate Professor of English  
B.A., Murray State University; M.A., Morehead State University;  
Ph.D., Southern Illinois University
- DAVID KIRK MENSER (1992) . . . . . Professor of Mathematics  
B.S., M.A., Murray State University; Ph.D., Vanderbilt University
- DAN MEYER (2004) . . . . . Associate Professor of Accounting  
B.B.A., University of Mississippi; M.S., Purdue University; Ph.D., University of Missouri
- DARREN MICHAEL (2007) . . . . . Assistant Professor of Theatre  
B.A., Ouachita Baptist University; M.F.A., University of Southern Mississippi
- MARK A. MICHAEL (1995) . . . . . Professor of Philosophy  
B.A., Houghton College; Ph.D., State University of New York-Albany
- GREG MOORE (2004) . . . . . Assistant Professor of Health  
B.B.A., University of Iowa; M.B.A., Austin Peay State University; Ed.D.,  
Vanderbilt University
- JOHN WILLIAM MOSELEY (1996) . . . . . Assistant Professor of Mass Communication  
B.S., M.A. Austin Peay State University
- CARROLL BRUCE MYERS (1970) . . . . . Chair of Computer Science and Information Technology  
and Professor of Computer Science  
B.A., Berea College; M.A., Ph.D., University of Kentucky
- DAVID NELSON (2007) . . . . . Assistant Professor of History and Philosophy  
B.A., Utah State University; M.A., Ph.D., Indiana University
- STEPHANIE NEWPORT (1993) . . . . . Professor of Management  
B.S., University of Maryland; M.B.A., Austin Peay State University;  
Ph.D., University of Texas at Arlington
- PAUL NICODEMUS (2004) . . . . . Associate Professor of Psychology  
A.A., Mount Vernon Nazarene University; B.S., Trevecca Nazarene University;  
M.S., Florida Institute of Technology; Ph.D., Texas Tech University

- SALLIE M. NOEL (1989) . . . . . Associate Professor of Biology  
B.S., M.S., Austin Peay State University
- BENSELAMONYUY NTATIN (2007) . . . . . Assistant Professor of Mathematics  
B.S., University of Jos; M.S., University of Ilorin; DICTP, International Center for . . . . .  
Theoretical Physics, Ph.D., Ruhr-University Bochum
- DONG NYONNA (2007) . . . . . Assistant Professor of Finance  
B.S., The University of Sc.&Tech.; M.S., The Norwegian University of Sc.&Tech; M.B.A.,  
University of Texas Pan American; M.A., Ph.D., University of Mississippi
- THOMAS O'CONNOR (2006) . . . . . Director of Global Security Studies and  
Associate Professor of Public Management  
B.A., Knox College; M.A., University of Illinois; Ph.D., Indiana University of Pennsylvania
- CHINYERE OGBONNA-MCGRUDER (2003) . . . . . Assistant Professor of Public Management  
B.S., Anambra State University of Technology; M.S., Western Kentucky University;  
Ph.D., Tennessee State University
- FRANK E. PARCELLS (2001) . . . . . Professor of Mass Communication  
B.S., Southern Illinois University-Carbondale; M.S., Southern Illinois  
University-Carbondale; Ph.D., Southern Illinois University-Carbondale
- DENNIS PEARSON (2007) . . . . . Assistant Professor of Economics  
B.A., M.A., Western Kentucky University; Ph.D., Southern Illinois University
- PATRICK R. PERDEW (1993) . . . . . Administrative Specialist and Associate Professor  
B.S., M.S., Murray State University
- GEORGE E. PESELY (1990) . . . . . Professor of History  
A.B., San Diego State University; M.A., University of Illinois at Urbana-Champaign;  
Ph.D., University of California-Berkeley
- BARBARA R. PETERSON (2007) . . . . . Assistant Professor of Education  
B.S.Ed., M.S.Ed., Ed.D., Northern Illinois University
- MICHAEL D. PHILLIPS (1990) . . . . . Professor of Finance  
A.A., Fresno City College; B.S., M.B.A., California State University at Fresno;  
D.B.A., Mississippi State University
- CHARLES PINDER (2004) . . . . . Dean of the College of Graduate Studies  
and Professor of Education  
B.S., Maryland State College; M.Ed., Kent State University; Ph.D., University of Maryland
- SHEILA F. PIRKLE (2005) . . . . . Assistant Professor of Education  
A.B., College of Notre Dame of Maryland; M.S., Johns Hopkins University; Ed.D.,  
Rutgers University
- GILBERT PITTS (2004) . . . . . Associate Professor of Biology  
B.S., M.S., Ph.D., University of Minnesota
- JERRY D. PLUMMER (2000) . . . . . Associate Professor of Economics  
B.B.A, M.B.A., Tennessee State University; D.A., Middle Tennessee State University
- YVONNE PRATHER (1989) . . . . . Associate Professor of Mass Communication  
B.S., M.A., Austin Peay State University; Ph.D., Bowling Green State University
- JAMES PRESCOTT (1996) . . . . . Associate Professor of Public Management  
B.S., Auburn University; M.P.A., University of South Alabama; Ph.D., Southern Illinois  
University at Carbondale
- JENNIE PRESTON-SABIN (1988) . . . . . Administrative Specialist and Associate Professor  
B.S., M.S.Ed., State University of New York-Oneonta
- NORBERT PUSZKAR (2003) . . . . . Assistant Professor of German  
Magister Artium, Freie Universitat Berlin; Ph.D., University of Southern California

## 488 Administration and Faculty

- GREG RABIDOUX (2006) . . . . . Assistant Professor of Political Science  
B.A., University of Connecticut; M.A., American University, Washington D.C.;  
J.D., Marquette University Law School; Ph.D., University of Wisconsin-Milwaukee
- ALBERT B. RANDALL, JR. (1972). . . . . Professor of Philosophy  
B.S., Maryville College; M.Div., Louisville Presbyterian Seminary;  
M.A., Ph.D., University of Oklahoma
- JEANIE P. RANDALL (1985). . . . . Associate Professor of English  
B.A., Maryville College; M.A., Austin Peay State University; Ph.D., University of Georgia
- NELL K. RAYBURN (1988). . . . . Professor of Mathematics  
B.S., David Lipscomb College; M.S., Ph.D., Vanderbilt University
- WILLIAM RAYBURN (1993) . . . . . Director, School of Business and Associate Professor of  
Management Information Systems  
B.E., M.B.A., Vanderbilt University; D.B.A., Southern Illinois University
- CARMEN REAGAN (1988) . . . . . Professor of Marketing  
B.S., Mississippi State College for Women; M.B.A., Memphis State University;  
D.B.A., Mississippi State University
- ROBIN B. REED (2001). . . . . Chair and Associate Professor of Chemistry  
B.S. Rhodes College; Ph.D., Vanderbilt University
- WILLIAM B. RENKL, JR. (1989). . . . . Professor of Art  
B.F.A., Auburn University; M.F.A., University of South Carolina
- GREGORY S. RIDENOUR (1996) . . . . . Professor of Geography  
B.S., M.S., Northeastern Illinois University; Ph.D., Texas A&M University
- RONALD P. ROBERTSON (1992). . . . . Associate Professor of Chemistry  
B.A., M.A., Ph.D., Vanderbilt University
- TAMARA M. ROBERTSON (2005) . . . . . Assistant Professor of Nursing  
B.S., Austin Peay State University; M.S.N., Murray State University
- GAIL ROBINSON-OTURU (2005) . . . . . Chair and Professor of Music  
B.M.Ed., M.M.Ed., Howard University; Ph.D., New York University
- ROBERT D. ROBISON (1983) . . . . . Chair of Allied Health Sciences and Director of Medical  
Technology and Professor of Biology  
B.S., M.S., Texas A&M University; M.T., Brooke Army Medical Center; Ph.D.,  
Vanderbilt University
- JORDY A. ROCHELEAU (2001) . . . . . Associate Professor of Philosophy  
B.A., Carleton College; M.A., Michigan State University; Ph.D., Michigan State University
- MIGUEL R. RUIZ-AVILES (1996) . . . . . Associate Professor of Spanish  
B.A., University of Puerto Rico; M.A., University of Kansas; Ph.D., University of Nebraska,  
Lincoln
- STEVEN T. RYAN (1977). . . . . Professor of English  
A.A., Ellsworth Junior College; B.A., University of Northern Iowa; M.A., Iowa State  
University; Ph.D., University of Utah
- RAMANJIT K. SAHI (2007) . . . . . Assistant Professor of Mathematics  
M.S., San Jose State University; Ph.D., The University of Texas
- HASSAN SAID (2003) . . . . . Associate Professor of Accounting  
M.B.A., College of Insurance of the Society of New York; M.A., University of Alabama;  
Ph.D., University of Alabama
- ADEL SALAMA (1990) . . . . . Chair and Professor of Engineering Technology  
B.S., Alexandria University (Egypt); M.S., Cairo University; Professional Engineer
- JAMES H. SANDERS (1985) . . . . . Enhanced Lab Facilitator and Assistant Professor  
B.S., M.A.Ed., Austin Peay State University

- A. K. SARWAR (1984) . . . . . Professor of Engineering Technology  
 B.S.C.E., Bangladesh University of Engineering and Technology; M. Engineering,  
 Carleton University; Ph.D., Louisiana Tech University; Professional Engineer
- CAROLINE SAWYER (2006) . . . . . Instructor of Communication  
 B.B.A., Baylor University; M.A., Austin Peay State University
- PERRY SCANLAN (2006). . . . . Assistant Professor of Biology  
 B.S., University of Wisconsin-Madison; Ph.D., University of Illinois-Chicago
- JOSEPH R. SCHILLER (1994) . . . . . Associate Professor of Biology  
 B.S., Colorado State University; Ph.D., The University of Tennessee
- GREGG ALEX SCHLANGER (1992) . . . . . Professor of Art  
 B.F.A., Boise State University; M.A., M.F.A., Northern Illinois University
- LEIGH SCHMITT (2007) . . . . . Assistant Professor of Psychology  
 B.S., M.A., University of New Orleans; Ph.D., Tulane University
- KEVIN SCHULTZ (2006) . . . . . Assistant Professor of Physics  
 B.S., Loyola University of Chicago; Ph.D., State University of New York at Stony Brook
- A. FLOYD SCOTT (1978) . . . . . Professor of Biology  
 B.S., M.A., Austin Peay State University; Ph.D., Auburn University
- ROSCOE SHAIN (1978). . . . . Professor of Business Law  
 B.S., M.B.A., University of Louisville; J.D., Nashville School of Law
- OMIE SHEPHERD (1997) . . . . . Associate Professor of Health and Human Performance  
 B.S., M.S., Austin Peay State University; Ph.D., Southern Illinois University
- KENNETH C. SHIPLEY, JR. (2005) . . . . . Assistant Professor of Art  
 B.A., M.F.A., University of Tennessee-Knoxville
- TAMMY SHUTT (2006) . . . . . Assistant Professor of Education  
 B.S., Auburn University; M.Ed., Ed.S., Middle Tennessee State University;  
 Ed.D., Tennessee State University
- ANN L. SILVERBERG (1994) . . . . . Professor of Music  
 B.M., Ithaca College; M.M., Indiana University; M.S., Ph.D., University of Illinois
- ROBERT A. SIRK (1995) . . . . . Interim Director, School of Agriculture and Geosciences  
 and Professor of Geography  
 B.A., Shepherd College; M.S., Marshall University; Ph.D., Kent State University
- PHILENESE SLAUGHTER (1998) . . . . . Assistant Professor of Library Administration  
 B.A., M.L.I.S., University of Oklahoma at Norman
- REBECCA S. SLAYDEN-TENASSE (1979) . . . . . Professor of Education  
 B.S., M.A., Austin Peay State University; Ed.D., George Peabody College
- ANDREW P. SMALLWOOD (2005) . . . . . Assistant Professor and Coordinator  
 of African American Studies  
 B.S., M.Ed., Pennsylvania State University; Ed.D., Northern Illinois University
- J. ALLYN SMITH (2006) . . . . . Interim Chair and Associate Professor of Physics and Astronomy  
 B.S., M.S., Ph.D., Florida Institute of Technology
- MELAN J. SMITH-FRANCIS (2007). . . . . Assistant Professor of Nursing  
 B.S., Florida A&M University; B.S.N., Austin Peay State University;  
 M.S.N., Vanderbilt University
- NANCY A. SMITHFIELD (1984) . . . . . Assistant Professor of Computer Science  
 B.S.E.E., University of Maryland; M.S., Western Kentucky University
- DAVID R. SNYDER (2003). . . . . Assistant Professor of History  
 B.S., M.A., Indiana University-Bloomington; Ph.D., University of Nebraska-Lincoln
- JENNIFER L. SNYDER (2005) . . . . . Assistant Professor of Art  
 B.F.A., M.A.Ed., University of Georgia; Ph.D., Florida State University

## 490 Administration and Faculty

- NANCY SNYDER (2004) . . . . . Assistant Professor of Library Instruction  
B.A., Kalamazoo College; M.L.S., M.I.S., Indiana University
- KAREN D. SORENSON (1987) . . . . . Professor of French  
B.A., Beloit College; M.A., Ph.D., Vanderbilt University
- BECKY STARNES (2004) . . . . . Assistant Professor of Public Management  
A.A., Palomar College; B.B.A., National University; M.B.A., Gonzaga University;  
Ph.D., Auburn University-Montgomery
- DAVID STEELE (2003). . . . . Assistant Professor of Sociology  
B.A., The University of Tennessee; M.A., University of Missouri; Ph.D.,  
The University of Tennessee
- RICHARD L. STEFFEN (1983) . . . . . Professor of Music  
B.M., M.M.Ed., North Texas State
- GREGG M. STEINBERG (1996) . . . . . Associate Professor of Health and Human Performance  
B.S., University of California-Santa Barbara; M.S., Florida State University;  
Ph.D., University of Florida
- DAVID EUGENE STEINQUEST (1985) . . . . . Professor of Music  
B.M.E., Northeast Louisiana; M.M., University of Michigan
- GARY STEWART (2006) . . . . . Assistant Professor of Education  
B.A., M.A., Ed.S., Austin Peay State University; Ed.D., Vanderbilt University
- PETER H. STODDARD (1988) . . . . . Associate Professor of Social Work  
A., Hiram College; M.S.W., San Francisco State University; Ph.D., Case Western Reserve  
University
- DONALD SUDBRINK (2006) . . . . . Assistant Professor of Agriculture  
B.S., University of Delaware; M.S., The University of Tennessee; Ph.D., Auburn University
- LISA SULLIVAN (2007). . . . . Assistant Professor of Chemistry  
B.S., Austin Peay State University; Ph.D., Vanderbilt University
- CINDY L. TAYLOR (1992) . . . . . Professor of Biology  
B.S., M.S., Southwest Missouri State University; Ph.D., Mississippi State University
- JAIME R. TAYLOR (1995) . . . . . Interim Dean, College of Science and Mathematics and  
Professor of Physics and Astronomy  
A.S., Nashville State Technical Institute; B.S., Austin Peay State University;  
M.S., Ph.D., University of Tennessee Space Institute
- AMY THOMPSON (2006) . . . . . Assistant Professor of Biology  
A.S., University of Kentucky Hopkinsville Community College; B.S., Austin Peay State  
University; Ph.D., University of Kentucky
- GLENDA THOMPSON (1995) . . . . . Associate Professor of Nursing  
B.S.N., East Tennessee State University; M.S., University of Central Texas;  
M.S., Texas Woman's University, CNA
- JAMES F. THOMPSON (1993) . . . . . Associate Professor of Biology  
B.S., University of Alabama; Ph.D., The University of Tennessee
- LINDA THOMPSON (1994). . . . . Professor of Nursing  
B.S.N., Samford University; M.S.N., The University of Tennessee;  
D.S.N., University of Alabama at Birmingham
- STEPHEN A. TRUHON (2005). . . . . Assistant Professor of Psychology  
B.A., College of the Holy Cross; M.A., Ph.D., Michigan State University
- MINOA D. UFFELMAN (2005) . . . . . Assistant Professor of History  
B.S., M.A., Austin Peay State University; Ph.D., University of Mississippi
- LISA R. VANARSDDEL (1987) . . . . . Professor of Music  
B.M., M.M., University of Illinois; D.M.A., Louisiana State University

- JIM VANDERGRIFF (1997) . . . . . Professor of Computer Science  
B.S., University of California; M.S., Ph.D., Vanderbilt University
- JACKIE VOGEL (2004) . . . . . Associate Professor of Mathematics  
B.A., Carson Newman College; M.S., Ed.D., The University of Tennessee
- JOHN X. VOLKER (1999) . . . . . Associate Professor of Management  
B.S., M.B.A., Murray State University; Ph.D., Walden University
- DAVID M. VON PALKO (1983). . . . . Professor of Mass Communication  
B.S., Arizona State University; M.A., Northern Arizona University;  
J.D., Nashville School of Law
- MICKEY WADIA (1993). . . . . Professor of English  
B.A., The University of Calcutta; M.A., Jadavpur University;  
Ph.D., The University of Southwestern Louisiana
- MOHAMMED WAHEEDUZZAMAN (1992) . . . . . Chair and Professor of Public Management  
B.A., M.A., University of Dhaka; M.A., Villanova University; Ph.D., Kent State University
- ANNE WALL (2004) . . . . . Assistant Professor of Education  
B.S., University of Kansas; M.A., Ed.S., Austin Peay State University;  
Ed.D., Tennessee State University
- MINGZHE WANG (2007) . . . . . Assistant Professor of Music  
B.M., Lynn University Conservatory of Music; M.M., M.M.A., A.D.,  
Yale University School of Music
- ELOISE WEATHERSPOON (2005). . . . . Instructor of English  
B.S., University of Alabama; M.A., Austin Peay State University
- DIXIE WEBB (1992). . . . . Interim Dean, College of Arts and Letters;  
and Professor of Art  
B.G.S., M.A., Ph.D., University of Kansas
- JOSEPH E. WEBER (2007). . . . . Director and Associate Professor of Library Services  
B.S., M.A., Central Michigan University; M.S., University of Kentucky;  
ABD, Western Kentucky University
- LAUREN WELLS (2007) . . . . . Assistant Professor of Education  
B.A., University of Mississippi; M.S., Ph.D., Mississippi State University
- LESLIE WEST (2006). . . . . Assistant Professor of Nursing  
B.S.N., Austin Peay State University; M.S.N., Tennessee State University
- DANIELLE WHITE (1977). . . . . Associate Professor of Nursing  
B.S.N., M.S.N., The University of Evansville
- CHARLA WHITE-MAJOR (2007) . . . . . Assistant Professor of English  
B.A., University of Texas; M.A., Ph.D., Oklahoma State University
- MICHELLE L. WILLIAMS (2006) . . . . . Assistant Professor of Nursing  
B.S.N., M.S.N., Union University
- ANDREW T. WILSON (1998) . . . . . Professor of Mathematics  
B.S., Murray State University; M.S., University of Tulsa; Ed.D., Vanderbilt University
- TIMOTHY F. WINTERS (1997) . . . . . Professor of Classics  
B.A., The University of Arizona; M.A., Ph.D., Ohio State University
- MARY LOU WITHERSPOON (1993) . . . . . Professor of Mathematics  
B.S., Austin Peay State University; M.Ed., Ph.D., Vanderbilt University
- GREGORY WOLYNEC (2003). . . . . Associate Professor of Music and Director of Bands  
B.M., SUNY Potsdam/Crane School of Music; M.M., D.M.A., Michigan State University
- JEFFREY NEAL WOOD (1984) . . . . . Professor of Music  
B.Mus., Oberlin College Conservatory of Music;  
M.A., M.Mus., Ph.D., State University of New York-Stony Brook

## 492 Administration and Faculty

- CHARLES B. WOODS (1992) . . . . . Professor of Psychology  
B.A., B.S., University of Wyoming; M.S., Ph.D., University of Florida
- NANCI S. WOODS (1992) . . . . . Professor of Psychology  
B.S., M.S., Ph.D., University of Florida
- AMY M. WRIGHT (2007) . . . . . Assistant Professor of English  
B.A., University of Virginia; M.A., University of Colorado; Ph.D., University of Denver
- HAN WU (2007) . . . . . Assistant Professor of Mathematics  
B.S., Shandong University; M.A., University of Maine; M.S., Ph.D., Iowa State University
- PEI XIONG-SKIBA (1993) . . . . . Professor of Physics  
B.S., Fudan University (China); M.S., Southeastern Massachusetts University;  
Ph.D., Wesleyan University
- STANLEY YATES (1994) . . . . . Professor of Music  
G.D.M., Sandown College of Performing Arts (England); M.M., University of Liverpool;  
D.M.A., University of North Texas
- YINGBING YU (2007) . . . . . Assistant Professor of Computer Science  
B.A., Zhejiang University; M.S., Nanjing University; Ph.D., University of Louisville
- XIN ZHANG (2008) . . . . . Assistant Professor of Management  
B.S., M.S., Central South University; M.S., Ph.D., University of Tennessee
- GREGORY R. ZIEREN (1991) . . . . . Professor of History  
B.A., University of Michigan; M.A., University of London; M.A., University of Iowa;  
Ph.D., University of Delaware

## EMERITUS ADMINISTRATION AND FACULTY

**Hugh Akerman, M.A.**, Associate Professor of History (1964-1992)

**Wynella Badgett, Ed.D.**, Dean, School of Nursing and Professor of Nursing (1988-1997)

**Lawrence E. Baggett, M.A.**, Associate Professor of Accounting (1965-2004); Chair of Department of Accounting (1979-1982 and 1998-2003).

**Johnnie Givens Barnes, A.M.**, Professor and Head Librarian (1946-1976)

**James Bateman, Ph.D.**, Professor of Computer Science & Information Technology (1990-2007)

**Daniel W. Bath, Ph.D.**, Professor of Biology (1969-1971 and 1975-2005)

**Thayer W. Beach, Ph.D.**, Professor of English (1968-1991)

**Lou Beasley, Ph.D.**, Professor of Sociology (1999-2004); Interim Dean of Graduate Studies (2002-2004); Interim Chair, Department of Sociology (2002-2003); Dean, College of Human Services and Nursing (1999-2002)

**Gerald R. Beavers, M.S.**, Assistant Professor, School of Technology and Public Management (1996-2007); Director, School of Technology and Public Management (1999-2000); Executive Director of AP Center @ Fort Campbell (2001-2007)

**Eleanor Beiswenger, Ph.D.**, Professor of English (1977-1994)

**Albert J. Bekus, Ph.D.**, Professor of English (1970-2004); Chair of Department of Languages and Literature (1995-1998); Director of Developmental Studies Program (1976-1983)

**D. M. S. Bhatia, Ph.D.**, Professor of Geology (1977-2004)

**Garland E. Blair, Ed.D.**, Professor of Psychology (1968-2000); Chair, Department of Psychology (1970-1980 and 1997-1998)

**Harvey F. Blanck Jr., Ph.D.**, Professor of Chemistry (1964-1993)

**Charles N. Boehms, Ph.D.**, Professor of Biology (1957-1987); Vice President for Student Affairs (1968-1982)

**Billy Joe Brown, Ph.D.**, Professor of Health and Human Performance (1977-2000); Chair of Department of Health and Human Performance (1977-1993)

**Olen L. Bryant, M.F.A.**, Professor of Art (1964-1991)

**Dennie Burke**, Executive Director of Public Relations & Marketing (1986-2008)

**J F Burney, Ph.D.**, CPA, Professor of Accounting (1959-1994); Chair, Department of Accounting (1968-1969); Dean, College of Business (1969-1984)

**Lewis B. Burton, M.A.**, Associate Professor of Art (1960-1982)

**John L. Butler, Ph.D.**, Professor of Biology (1996-2001); Director of Leadership Studies and President's Emerging Leaders Program (1996-2001); Vice President for Academic Affairs (1985-1996)

**Don Carlin, M.S.**, Professor, Woodward Library (1979-2007)

**Wayne Chaffin, Ed.D.**, Professor of Health and Human Performance (1979-2007); Chair of Health and Human Performance (2001-2005)

**Edward Wayne Chester, Ph.D.**, Professor of Biology (1967-2004); Curator of APSU Herbarium (1967-2004); Director of the Environmental Sciences Education Program (1971-1974)

**Bruce A. Childs, M.F.A.**, Professor of Art (1980-2004)

**Aleeta Christian, Ed.D.**, Professor of Developmental Studies (1986-2007); Director of Developmental Studies (1996-2003)

**Stephen Clark, Ph.D.**, Professor of Music (1985-2007)

**James H. Clemmer, M.A.**, Professor of English (1967-2004); Director of Heritage Program (1995-2002)

**Billy D. Cole, M.A.Ed.**, Assistant Professor of Biology (1960-1990)

## 494 Administration and Faculty

- James X. Corgan, Ph.D.**, Professor of Geology (1968-1992); Chair, Department of Geology and Geography (1972-1991)
- Ruth E. Dennis, Ph. D.**, Professor of Sociology (1985-1999); Director, Wilbur N. Daniel African American Cultural Center (1995-1996); Chair, Department of Political Science and Sociology (1997-1999)
- Don W. Der, Ph.D.**, Professor of English (1970-1991)
- Thomas Dixon, Ph.D.**, Associate Professor of History (1966-2007)
- Reece Elliott, Ph.D.**, Professor of Speech (1971-2000); Chair, Department of Speech, Communication and Theatre (1985-1989)
- William H. Ellis, Ph.D.**, Professor of Biology (1956-1999); Dean Emeritus (1994-1999); Director of Graduate Studies and Associate Dean of Faculty (1966-1968); Vice Presiden for Academic Affairs (1968-1972); Director of Institutional Research (1972-1977); Dean, College of Graduate and Professional Programs (1977-1994)
- I. Joe Filippo, Ph.D.**, Professor of Theatre (1968-2004); Assistant Vice President for Academic Affairs (1994-2004); Director of Enrichment Programs (1996-2003); Director of the Heritage Program (1993-1994); Chair of Department of Speech Communication and Theatre (1968-1985)
- George D. Fisher, D.A.**, Professor of Health and Physical Education (1958-1989)
- Solie Fott, Ph.D.**, Professor of Music (1958-2000); Chair, Department of Music (1978-2000)
- Howard French, M.S.Ed.**, Assistant Professor of School of Technology and Public Management (1993-2007)
- Glenn S. Gentry, M.S.**, Professor, Business Administration (1947-1982); Chair, Department of Business Administration (1950-1968); Acting Director, School of Business and Economics (1968-1969); Dean of Admissions and Records (1969-1982)
- Janie S. Gentry, B.S. in L.S.**, Associate Professor and Acquisitions Librarian (1962-1982)
- Wendell H. Gilbert, M.A.**, Vice President for Development and University Relations (1981-1998)
- Meredith M. Gildrie, M.A.Ed.**, Associate Professor of Developmental Studies Program Malcolm Sanford Glass, M.A., Professor of English (1962-1999)
- Richard Gildrie, Ph.D.**, Professor of History (1970-2008)
- Dolores A. Gore, Ed.D.**, Professor of Education (1982-2005); Director of 21st Century Classroom Project (1992-1999)
- Willis H. Hackman, Ph.D.**, Professor of Music (1959-1991)
- Thomas R. Hamel, Ed.D.**, Professor of Mathematics (1971-2002)
- James D. Hamilton, M.S.**, Professor of Agriculture and Chair, Department of Agriculture (1945-1980)
- Nancy G. Hancock, D.A.**, Professor of English (1988-2003)
- A. Rae Hansberry, Ph.D.**, Associate Professor of Health and Human Performance (1984-2005)
- Durward S. Harris, Ph.D.**, Professor of Chemistry (1962-1998); Chair, Department of Chemistry (1980-1985)
- E. Ann Harris, Ph.D.**, Professor of Education (1992-2007)
- Philancy E. Holder, Ph.D.**, Professor of Art (1971-1992)
- Max Hochstetler, M.F.A.**, Professor of Art (1967-1999); Chair, Department of Art (1989-1993)
- Betty Holte, B.A., M.A.T.**, Director of Galleries and Associate Professor of Art (1986-2006)
- Camille B. Holt, Ed.D.**, Professor of Education (1975-2002); Assistant Vice President for Development (1994-95); Interim Administrator, College of Graduate and Professional Programs (1995-1997)
- Charles C. Holt, Ph.D.**, Professor of English (1967-1991)

**Betty Holte, B.A., M.A.T.**, Director of Galleries and Associate Professor of Art (1986-2006)

**Paul Hsu, Ph.D.**, Professor of Sociology

**Preston J. Hubbard, Ph.D.**, Professor of History (1955-1988); Chair, Department of History and Philosophy (1979-1987)

**Gaines C. Hunt, Ph.D.**, Professor of Agriculture (1971-2006); Dean, College of Science and Mathematics (2004-2006); Interim Dean, College of Science and Mathematics (2002-2004); Interim Dean, College of Arts and Sciences (2001-2002); Assistant Vice President for Academic Affairs serving as Dean of Graduate Studies and Professional Programs, and Director of Fort Campbell Programs (1997-1999); Interim Administrator of Professional Programs (1995-1997); Chair, Department of Agriculture (1978-1987 and 1991-1996)

**Aaron A. Hutcheson, Ph.D.**, Professor of Economics (1967-1997)

**Paul Hyatt, Ph.D.**, Professor of History (1949-1987)

**Edward Eugene Irwin, Ph.D.**, Professor of Languages and Literature (1962-1998)

**Ted Jones**, Professor of Mass Communications and Theatre (1994-2008); Director, Distance Learning Activities (1995-1996)

**Ellen Kanervo, Ph.D.**, Professor of Communications (1997-2007); Chair of Communications (1989-1992)

**Joyce C. Kilpatrick, DBA, CPA, CMA, CIA, CFE**, Professor of Accounting (1985-2000)

**John Knight, Ph.D.**, Associate Professor of Finance (1978-1987)

**Donald B. Lambert, Ed.D.**, Professor of Education (1968-1993); Acting Chair, Department of Education (1979-1981); Chair, Department of Education (1981-1993)

**Rose Marie Lange, M.A.**, Associate Professor of Developmental Studies (1987-2001)

**Bob D. Lee, B.S., M.Ed.**, Middle Tennessee State University, Director of Bands and Professor of Music (1982-2003)

**James D. Lester, Ph.D.**, Professor of English (1970-2000)

**Jean G. Lewis, Ed.D.**, Professor of Psychology (1978-2005); Director of the Special Services Program (1980-1987)

**George L. Mabry, Ph.D.**, Professor of Music (1970-2003)

**John D. Martin, Ed.D.**, Professor of Psychology (1966-1991)

**John M. Matthews, Ph.D.**, Professor of Agriculture (1971-2006)

**Melburn R. Mayfield, M.S.**, Professor of Physics (1957-1987); Chair of Department of Physics (1958-1970); Vice President for Development and Field Services (1972-1976); Executive Director of University Advancement (July-Dec 1976)

**Ralph H. McCoy, Ph.D.**, Associate Professor of Biology (1977-2005)

**Harry L. McLeod, Ph.D.**, Professor of Chemistry and Chair of Department of Chemistry (1959-1982)

**Elnor W. McMahan, M.A. in L.S.**, Head of Library Cataloging and Professor (1968-1993)

**Jim Thomas McMinn, DBA**, Professor of Economics (1977-1998)

**H. Leon McQueen, Ph.D.**, Professor of Mathematics (1972-2004); Chair of Department of Mathematics and Computer Science (1986-2004)

**Tommy Meadows**, Professor of Economics (1977-2007)

**Malcolm Muir, Ph.D.**, Professor of History (1977-2003)

**James D. Nixon, Ph.D.**, Professor of Sociology (1972-1992); Dean, College of Arts and Sciences (1976-1992)

**Christoph E. Nussbaumer, Ph.D.**, Professor of Management (1964-1998)

**Leslie M. Ogilvie, M.S.**, Assistant Professor of Physics (1962-1978)

**Allene Phy-Olsen, Ph.D.**, Professor of Languages and Literature (1990-2007); Director of Heritage Program (1990-1993); Director of Honors Program (1990-2007)

**George Rawlins, III, Ed.D.**, Professor of Education (1970-1998)

## 496 Administration and Faculty

**Jim R. Ridenhour, Ph.D.**, Professor of Mathematics (1972-2007)

**Linda B. Rudolph, Ed.D.**, Professor of Psychology (1971-2001); Chair of Psychology (1980-1987); Assistant to the Vice President for Academic Affairs (1986-1989); Associate Vice President for Planning and Institutional Effectiveness (1989-1995); Director of President's Emerging Leaders Program (1989-1995); Interim Vice President for Academic Affairs (2000-2001)

**Dorothy F. Smith, M.A.Ed.**, Assistant Professor of Health and Physical Education (1962-1991)

**James T. Stack, M.A.**, Associate Professor of Mathematics (1954-1987)

**Wayne E. Stamper, Ph.D.**, Professor of Engineering Technology (1968-1997); Professor of Chemistry (1968-1997); Chair of the Department of Engineering Technology (1989-1994); Executive Assistant to the President (1983-1989); Coordinator of External Grants (1977-1982); Dean of the Graduate School (1968-1977)

**Carlton H. Stedman, Ed.D.**, Professor of Education (1970-2000); Chairman, Department of Education (1978-1979); Dean, College of Education (1980-1995)

**William G. Stokes, Ph.D.**, Professor of Mathematics and Chair, Department of Mathematics (1960-1987)

**Benjamin P. Stone, Ph.D.**, Professor of Biology (1961-2001); Chair of Biology (1977-2001); Director of the Center for Field Biology-LBL (1986-2002)

**Lewis C. Tatham, Jr., Ph.D.**, Professor of English (1966-1995); Chair, Department of Languages and Literature (1985-1995)

**Albert J. Taylor, D.B.A.**, Professor of Marketing (1990-1998); Head Coach of Men's Golf (1991-1995); Instructor (1970-1977)

**David K. Till, Ph.D.**, Professor of English (1971-2004)

**John Everett Turner, M.A.**, Assistant Professor of English (1967-2000)

**Betty Joe Wallace, M.A.**, Associate Professor of History (1965-2004)

**Byron J. Webb, M.A.**, Associate Professor of Geography (1967-1995)

**Robert Kenton Wibking, Ph.D.**, Professor of Geography (1962-1988); Chair, Department of Geography (1962-1972)

**Allan S. Williams, Ed.D.**, Professor of Education (1968-2005)

**Thomas Howard Winn, Ed.D.**, Professor of History (1972-2003)

**Earnest Woodward, Ph.D.**, Professor of Mathematics (1968-1996)

**Richard C. Yarbrow, Ed.D.**, Professor of Education (1970-1995)

**Faye Zeigler, M.S.N.**, Professor of Nursing (1996-2007)

## ADMINISTRATION

**Michael Becraft (2006)**, Assistant Vice President for Academic Affairs, B.A., St. Mary's College of Maryland; M.A., The American University

**Carol Bennett (2007)**, Director, African-American Culture Center, B.S., Martin University; M.A., Indiana University

**Barbara Blackston (1991)**, Director of Counseling, Testing and Career Services, B.S., Murray State University; M.S., Austin Peay State University

**Shelia Boone (1971)**, Director of Alumni and Annual Giving, B.S., Austin Peay State University

**Daniel B. Botula, (1999)**, Director, Tri-County Upward Bound, B.S., Ohio University, M.Ed., Georgia State University

**Tammy Bryant (1990)**, Director, Student Affairs Programs and Services, B.S., Middle Tennessee State University; M.S., Austin Peay State University

**Sherryl A. Byrd (2006)**, Associate Vice President for Student Affairs and Senior Student Affairs Officer, B.S., M.A., Tennessee Tech University; Ed.D., University of Alabama

- Marissa Chandler (1998)**, Director of TRIO Student Support Services, B.A., M.A.Ed., Western Kentucky University; Ed.S., Austin Peay State University
- William Cox (2007)**, Executive Director of AP Center @ Fort Campbell; B.S., University of Northern Colorado; M.A., Chatman University; Ed.D., University of Alabama
- Carol Clark (2001)**, Executive Assistant to the President, B.B.A., M.A., Austin Peay State University
- William Cox (2007)**, Executive Director of AP Center @ Fort Campbell, B.S., University of Northern Colorado; M.A., Chatman University; Ed.D., University of Alabama
- David Davenport (2003)**, Director University Recreation, B.S., Appalachian State University; M.S., Old Dominion University
- David Denton (1994)**, Interim Provost and Vice President for Academic and Student Affairs, B.A., M.S., University of Tennessee- Chattanooga; Ph.D., University of Tennessee-Knoxville
- Dixie Dennis (2005)**, Interim Dean, College of Professional Programs and Social Sciences, B.S., M.S., Austin Peay State University; Ph.D., Southern Illinois University
- Ryan Forsythe (2007)**, Director, Office of Admissions; B.S., Westfield State College; M.Ed., University of Massachusetts
- James Roy Gregory (1991)**, Executive Director of University Advancement, B.S., University of Tennessee- Chattanooga
- Ted Heidloff (2005)**, Director of Human Resources and Affirmative Action., B.S., Central Michigan University; M.S.A., Central Michigan University; Ph.D., Michigan State University
- Tim Hurst (2007)**, Assistant Vice President for Finance and Administration; B.B.A., East Tennessee State University; M.B.A., Middle Tennessee State University; C.P.A.
- Richard Jackson (2002)**, Vice President of Legal Affairs and Strategic Planning, B.A., Vanderbilt University; J.D., University of Cincinnati
- John Johnson (1994)**, Director, Educational Opportunity Center, B.B.A., M.A.Ed., Ed.S. Austin Peay State University
- Andy Kean (1989)**, Director of University Center and Services, B.S., University of Tennessee-Martin; M.Ed., Southern Arkansas University
- Jennifer Kennedy (2006)**, Director of Grants and Sponsored Research, B.A., University of California at Santa Barbara
- Heidi Scheusner Leming (2006)**, Director of Student Life & Leadership, B.S., University of Minnesota-Moorhead; MA.Ed., Virginia Polytechnic Institute and State University
- David H. Loos (1990)**, Director of Athletics and Men's Head Basketball Coach, B.S., M.A.Ed., The University of Memphis
- Marsha Lyle-Gonga (2002)**, Director of High School Upward Bound Program, B.A., Our Lady of the Lake University; M.S., Trinity University
- Julia K. McGee (1977)**, Director of Extended Education, B.S., M.A.Ed., Austin Peay State University
- Kim McMillan (2007)**, Executive Director of Community and Business Relations, B.A., J.D., University of Tennessee Knoxville
- Harriett McQueen (2004)**, Dean of Enrollment Management and Academic Support, B.B.A., North Texas State University; M.BE., Ph.D., University of Oklahoma
- F. Joe Mills (1991)**, Director of Housing and Residence Life and Dining Services, B.S., M.S., Eastern Illinois University
- Patricia Mulkeen (2005)**, Director of Institutional Research and Effectiveness, B.A., Clemson University; M.S., Ph.D., The Pennsylvania State University
- Arthur Neal (1989)**, Director, Veterans Upward Bound, B.S., M.A.Ed.S., Tennessee State University; Ph.D., George Peabody College of Vanderbilt University

## 498 Administration and Faculty

**Beulah Oldham (1989)**, Director of Disabilities Services, B.S., Austin Peay State University; M.S., Tennessee State University

**Heather Penney (2004)**, Director, Tennessee Small Business Development Center, B.B.A., Mercer University; M.B.A., Mercer University

**Bill Persinger (1992)**, Executive Director of Marketing and Public Relations, B.F.A., Austin Peay State University

**Charles Pinder (2004)**, Dean, College of Graduate Studies, B.S., Maryland State College; M.A., Kent State University; Ph.D., University of Maryland

**Donna Price (1991)**, Director of Student Financial Aid, B.B.A., M.S., Austin Peay State University

**Mitch Robinson (2003)**, Vice President for Finance and Administration, B.S., Indiana University, M.A.Ed., Middle Tennessee State University; C.P.A.

**Lowell G. Roddy (2001)**, Director, Student Counseling and Health Services, B.A., Bethel College; M.Div., Memphis Theological Seminary; Th.M., Princeton Theological Seminary; M.Ed., University of Louisville; D.Min., Memphis Theological Seminary

**Connie Sanders (1990)**, Director, Child Learning Center, B.S., Austin Peay State University

**Gregory R. Singleton (2007)**, Dean of Students, B.S., University of Memphis; M.S.Ed., Florida International University; Ed.D. Candidate, Florida International University

**Sonja Stewart (1999)**, Director of Budgets and Planning, B.B.A., Middle Tennessee State University; C.P.A.

**Jackie Struckmeyer (1994)**, Internal Auditor, B.B.A., Troy University; C.P.A.

**Jaime Taylor (1995)**, Interim Dean, College of Science and Mathematics and Professor of Physics; A.S., Nashville State Technology Institute; B.S., Austin Peay State University; M.S.; Ph.D., University of Tennessee Space Institute

**Charles Wall (1972)**, Director of Information Technology, B.S., Austin Peay State University

**Dixie Webb (1992)**, Interim Dean, College of Arts and Letters and Professor of Art; B.G.S., M.A., Ph.D., University of Kansas

**Joseph E. Weber (2007)**, Director of Library Services; B.S. in Education, Central Michigan University; M.A. in Educational Administration; M.S. in Library Science, University of Kentucky

**Phyllis Whittaker (1970)**, Director of Accounting Services, B.B.A., M.B.A., Austin Peay State University

**Telaina Wrigley (1996)**, Registrar, A.A., Ball State University; B.S., Austin Peay State University; M.S.M., Troy State University

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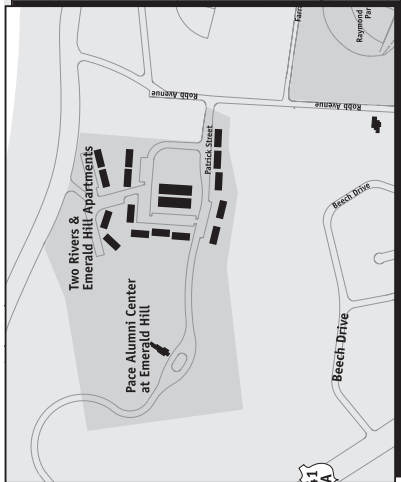
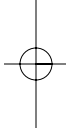
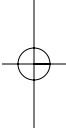
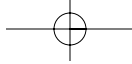
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Health & Human Performance	DJ, 289
Heritage Program	HH, 214
High School Upward Bound	DU, 259
Hispanic Cultural Center	UC, 120
History & Philosophy	HH, 340
Honors Program	HH, 142
Housing/Residence Life	ML, 119

Human Resources	BR, 002
Information Desk	UC (lobby)
Killebrew Hall	KH
Information Technology	BR, 12A
Information Technology—Computer Maintenance	BR, 21
Information Technology—Help Desk	BR, 205
Institute for Global Security Studies	EL, 214
Institutional Research & Effectiveness	BR, 133
Internal Audit	HH, 143
International Education	UC
Java City Coffee House	UC
Languages & Literature	HH, 115
Learning Resource Center	CX, 104
Legal Affairs & Strategic Planning	BR, 151
Library	LB
Maintenance & Repair	SH, 101
Management & Marketing	KB, 104
Management Technology*	FCC
Mathematics	CX, 304
Meacham Apts.	MA
Media Services	LB, 124
Medical Technology	SSC, D125
Military Science & Leadership	MH, 110
Miller Hall	ML
Music	MMC, 139
Music-Ticket Office	MMC Lobby
Non-credit Programs*	PS
Nursing, School Of	MCR, 122
Office of Information Technology	BR, 12A
Office of the Registrar	EL, 120
Pace Alumni Center at Emerald Hill	PAC
Philosophy & History	HH, 340
Physical Plant	SH, 101
Physics & Astronomy	SSC, B332
Police Science*	FCC
Political Science	CL, 143
Post Office	UC, lower level
Power Plant	PP
President's Office	BR, 125
Printing Services	LB, 124
Professional Programs & Social Sciences, College of	MCR, 210
Psychology	CL, 205
Public Management*	FCC
Public Relations & Marketing	BR, 206
Public Safety	SH, 133
Public Safety-Emergency	SH, 133
Purchasing	SH, 122
Radio Station - WAPX	MMC, 181
Rawlins Hall	RH
Registrar (Office of)	EL, 120
Restaurant Management*	FCC
Roads & Grounds	SH, 101
ROTC	MH
School of Business	KB, 104
School of Education	CX, 205
School of Education-Certification Analyst 1	CX, 206
School of Education-Certification Analyst 2	CX, 208
School of Nursing	MCR, 122
School of Technology & Public Management*	FCC, 6727
Science & Mathematics, College of	HH, 132
Secretarial Office Procedures	FCC
Sevier Hall	SVH
Shipping & Receiving	SH, 167
Small Business Center (located at the Chamber of Commerce, 312 Madison St.)	MX, 104
Social Work - DCS Grant	KB, 128
Sociology	KB, 203
Sports Information	DU, 132
Student Affairs	UC, 206
Student Counseling Services	EL, 202
Student Financial Aid & Veterans Affairs	EL, 216
Student Government Association	UC, 208
Student Health Services	EL, 104
Student Life & Leadership	UC, 211
Student Publications	UC, 115
TECIA	CX, 105
Telephone Services	BR, 133
Tennis, Men's & Women's	TC
Testing Center	EL, 201
Tickets, Athletics	DU, 41
Tickets, Creative Arts - Music & Theatre	MMC, 133
Tennessee Small Business Center*	PS
Track & Cross Country	DU, 256
Tri-County Upward Bound	228 Castle Hgts.
TRIO Student Support Services	EL, 337
University Advancement	BR, 216
University Center, Information Desk	UC (lobby)
University Facilities	UC, 207
University Recreation	REC, Lobby
Upward Bound (High School)	DU, 259
Veterans Affairs	EL, 232
Veterans Upward Bound	219 Castle Hgts.
Volleyball-Women's	DU, 130
W.E.T.T. Project (Water Education for Tennessee Teachers) - SSC, C125	WAPX-FM
Water Education for Tennessee Teachers	SSC, C125
Wesley Foundation	510 College St.
Women's Studies	HH, 139
Zone 3	HH, 304

\* Off-campus location not shown on map.  
 This map is accurate as of its publishing date. Changes may have occurred since publication. For the latest updates, go to [www.apsu.edu](http://www.apsu.edu).



**Building names and abbreviations**

BH	Blount Hall	PP	Power Plant
BR	Browning	PS	The Center for Extended and Distance Education, 106 Public Square*
CEH	Castle Heights	RH	Rawlins Hall
CL	Catherine Evans Havill Building	REC	Foy Fitness and Recreation Center
CX	Claxton	SSC	Sundquist Science Complex
CRH	Cross Hall	SVH	Sevier Hall
DU	Dunn Center	SH	Shaasteen
EL	Ellington	SX	Sexton (Child Learning Center) @ Fort Campbell*
EH	Emerald Hill Apartments	TC	Tennis Center
FC	Austin Ray Center	TR	Traherm
HV	Hand Village		*Off-campus location not shown on map.
HH	Harned Hall		
HVH	Havill Hall		
KH	Killebrew Hall		
KB	Kimbrough		
LB	Library (Woodward Library)		
MA	Meacham Apartments		
ML	Miller Hall		
MX	Marks		
MC	McCord		
MCR	McReynolds		
MH	Memorial Health (The Red Barn)		
MUC	Morgan University Center		
M/MC	Music/Mass Communication		
PAC	Pace Alumni Center at Emerald Hill		