

University Curriculum Committee

February 13, 2023

ZOOM

2:30pm

Calling of the Roll

Announcements

Old Business

Information Items

- University College
 - While “university colleges” come in many forms across the academy, for purposes of this proposal, the APSU University College would be an interdisciplinary, collaborative academic unit that delivers curriculum and administers student-centered programs and support services designed to foster student development, success, persistence to timely graduation, high impact practices, and successful transition into a career. It would assist students as they transition into college, help them understand degree options, find academic support, and connect student majors with career and life goals. The University College would support all undergraduate student populations at APSU.
 - This proposed reorganization consolidates some functional operations currently under the areas of Student Achievement and Academic Strategic Initiatives within Academic Affairs, resulting in a largely resource-neutral reorganization. The University College will be overseen by an academic dean. The dean position and supporting personnel will be created through consolidation of other functional responsibilities within Academic Affairs, therefore, no net-new executive level positions will be required.

Meeting Minute Approval

- January 23, 2023 meeting minute approval.

General Education Core Additions – First Read

- CHEM 1050/1051 – Chemistry for Everyone
 - A course designed for non-science majors. Topics may include chemistry in social media, kitchen chemistry, forensic science, medicines, poisons, environmental chemistry, nutrition, debunking, pseudoscience and current hot topics in chemistry.

Consent Agenda Items – All items require final approval by the Provost/SVP Academic Affairs

- **Course Title Updates** **Implementation Summer 2023**
 - MATH 5140 – Financial Derivatives
 - Updating the course title from Financial Derivatives and Investment Markets to Financial Derivatives.
 - MATH 5280 – Advanced Long Term Actuarial Mathematics
 - Updating the course title from Actuarial Mathematics II: Long term Actuarial Mathematics to Advanced Long Term Actuarial Mathematics
- **Course Title Updates** **Implementation Fall 2023**
 - LDSP 5120 – Leadership Development
 - Updating the course title from Leadership Development Strategies for Organizations to Leadership Development.
 - LDSP 5300 – Survey of Leadership
 - Updating the course title from Survey of Best Practices in Leadership to Survey of Leadership.
 - PSYC 5501 – Professional Development in I-O Psychology
 - Updating the course title from Orientation to Industrial/Organizational Psychology to Professional Development in I-O Psychology.
- **Course Description Update** **Implementation Summer 2023**
 - MATH 5140 – Financial Derivatives
 - Old Description:
This course covers introductory financial derivatives, general properties of options, the binomial option pricing model, the Black-Scholes option pricing model, option Greeks, risk management, mean-variance portfolio theory, asset pricing models, market efficiency, behavioral finance, investment risk, project analysis, and capital structure. This course prepares students for actuarial exam 3F/IFM interest rate derivatives.
 - New Description:
This course covers introductory financial derivatives, general properties of options, the binomial option pricing model, the Black-Scholes option pricing model, option Greeks, risk

management, and interest rate derivatives.

- MATH 5180 – Advanced Short Term Actuarial Mathematics
 - Old Description:
Prepares students for Short Term Actuarial Mathematics exam: Topics include Severity models, Frequency models, Aggregate models, Coverage modification, Risk measures, Construction and selection of parametric models, Credibility, Insurance and reinsurance coverage, Pricing and reserving short term insurance coverage.
 - New Description:
This course covers severity models, aggregate models, coverage modifications, construction and selection of parametric models, credibility, and reserving and pricing for short-term insurance coverages. It prepares students for Advanced Short Term Actuarial Mathematics (ASTAM) exam.

- MATH 5220 – Computational Methods in Finance
 - Old Description:
This course covers comprehensively Monte-Carlo simulations for application in finance. Topics include generation of pseudo- and quasi-random numbers, trees, variance reduction techniques and finite differences.
 - New Description:
This course covers comprehensively Monte-Carlo simulations for application in finance. Topics include generation of pseudo- and quasi-random numbers, trees, variance reduction techniques and finite differences. Appropriate statistical software (such as R or Python or Mathematica) used throughout.

- MATH 5280 – Advanced Long Term Actuarial Mathematics
 - Old Description:
Prepares students for Long Term Actuarial Mathematics exam. Topics include Long-term insurance coverages, Survival models and their estimation, Present value random variables, Premium calculation, Reserves and Pension plans, Retirement benefits.
 - New Description:
This course covers survival models for multiple state contingent cashflows, premium and policy valuation for long-term state-dependent coverages, joint life insurance and annuities, profit analysis, pension plans and retirement benefits, universal life insurance, and embedded options in life insurance and annuity products. It prepares students for Advanced Long Term Actuarial Mathematics (ALTAM) exam.

- MATH 5321 – Symbolic Computation
 - Old Description:
This course exposes students to computer algebra systems (CAS) and other software packages. Students will learn to use these programs which will enhance their understanding in several courses in Mathematics, Statistics, Sciences and Engineering.
 - New Description:
This course exposes students to computer algebra systems and other software packages. Students will learn to use these programs which will enhance their understanding in several

courses in Mathematics, Statistics, Sciences and Engineering. Appropriate statistical software (such as R or Python or Mathematica) used throughout.

- **Course Description Update** **Implementation Fall 2023**
 - ENGL 1020 – English Composition II
 - Old Description:
Development of the students’ writing skills through a process of thinking, researching. Planning, writing, reviewing, revising, and editing expository essays.
 - New Description:
Building on the skills learned in ENGL 1010, this composition course develops students’ critical thinking skills by introducing them to a variety of texts-popular, scholarly, and literary- and emphasizing critical analysis, academic research, and argumentation.
 - LDSP 5120 – Leadership Development
 - Old Description:
Looking at theory, research, and practice, this course focuses on the process and structure of developing others as leaders. Topics include learning theory, models of training and development, mentorship, and the structuring experiences for leadership development.
 - New Description:
This course will provide participants with knowledge regarding effective strategies for leadership development for others and themselves. The course combines theory and research to provide practical examples for creative mentorship strategies and structuring experiences for leadership development.
 - LDSP 5300 – Survey of Leadership
 - Old Description:
This course examines theory, research, and practice to equip current and future leaders. Concepts covered include power and influence, decision making, leading teams, cross-cultural issues, and the leader/follower dynamic.
 - New Description:
This course examines, theory, research, and practice to equip current and future leaders. Concepts covered include leadership behaviors and styles, decision-making, leading teams, ethical leadership, leadership initiatives for achieving cultural diversity, equity, and inclusion, and the leader/follower dynamic.
 - LDSP 5330 – Research Methods
 - Old Description:
The study and application of research methods appropriate to professional students. NOTE: This course is equivalent to PTMA 5300 and PRST 5300. A student cannot take both courses to complete requirements for the degree.
 - New Description:
This course explores practical research methods leaders use in organizations to inform decision-making. Students will cultivate literacy by learning about proper research designs

and how to interpret and apply results.

- MUS 5265 – Functional Techniques for Classroom Instruments
 - Old Description:

This course provides an overview to the pedagogy and performance practice of recorders, Orff instruments (percussion and barred instruments), and guitar. This course is designed for students seeking careers in music education and for students majoring in elementary education who are interested in music.
 - New Description:

The course provides an overview to the pedagogy and performance practice of recorders, Orff instruments (percussion and barred instruments), ukulele, and guitar. This course is designed for students seeking careers in music education or music therapy and for students majoring in elementary education who are interested in music.

- PSYC 5580 – Personnel Psychology
 - Old Description:

The course addresses the major areas within the field of personnel or industrial psychology including job analysis, job evaluation, recruitment, models of job performance, personnel selection, training and development, and performance appraisal.
 - New Description:

The course addresses major areas within the field of personnel (industrial) psychology, including staffing models and strategy, legal compliance and ethics, job/work analysis, recruitment, selection, assessment, and retention, as well as measurement, validation, and decision making in personnel staffing. The course also introduces concepts of job rewards and performance appraisal.

- **Course prerequisite updates** **Implementation Summer 2023**
 - MATH 5180 – Advanced Shor
 - Removing the MATH/STAT 4240/5240 (Introduction to Probability/Probability) or Calculus-based probability at the level of MATH/STAT 4240/5240 (Introduction to Probability/Probability) or admission to the MS or PSM in Computer Science and Quantitative Methods prerequisite.
 - Adding MATH 5170 (Finite Math) to the prerequisite.

 - MATH 5280 – Advanced Long Term Actuarial Mathematics
 - Removing the MATH/STAT 4240/5240 (Introduction to Probability/Probability) or Calculus-based probability at the level of MATH/STAT 4240/5240 (Introduction to Probability/Probability) or admission to the MS or PSM in Computer Science and Quantitative Methods prerequisite.
 - Adding MATH 5170 (Finite Math) to the prerequisite.

 - MATH 5940 – Research in Mathematics
 - Removing the Graduate Milestone II prerequisite as it is no longer tracked.

- **Course prerequisite updates** **Implementation Fall 2023**
 - ART 3410 – Animation II
 - Removing ART 2420 (Digital 3D) as a prerequisite.
 - ART 3460 – Visual Effects II
 - Removing Art 2420 (Digital 3D) as a prerequisite.
 - ART 4410 – Animation III
 - Removing ART 3420 (Visual Effects) as a prerequisite.
 - MUS 5265 – Functional Techniques for Classroom Instruments
 - Removing the Permission by the Department prerequisite.

- **Course Co-requisite Update** **Implementation Fall 2023**
 - SPED 4340 – Effective Inclusion
 - Removing the co-requisites of RDG 4010 (Teaching the Language Arts: K-6) and RDG 4020 (Teaching Reading in the Primary Grades) as they are not required for all programs.

- **Dual-Listing Update** **Implementation Summer 2023**
 - MATH 5310 – Machine Learning
 - Moving MATH 4310 (Machine Learning I) from a cross-listing to a dual-listing.
 - STAT 5310 – Machine Learning
 - Moving MATH 4310 (Machine Learning I) from a cross-listing to a dual-listing.

- **Course Credit Hour Change** **Implementation Fall 2023**
 - NURS 3080 – Lifespan Pharmacology
 - Increase credit hours from 3SCH to 4SCH.
 - PSYC 5501 – Professional Development in I-O Psychology
 - Increase credit hours from 1SCH to 3SCH.

- **Course Deletions** **Implementation Fall 2023**
 - DANC 4700 – Analysis and Criticism of Dance
 - This course has not been taught in the past 6 years. The content of this course is now covered in other courses throughout the curriculum.

- DANC 4950 – Choreography Practicum
 - The material in this course is covered in several other classes throughout the curriculum. It is currently only offered as an elective.
- HOSP 2010 – Intro to Hospitality and Tourism
 - This course was originally planned for the hospitality program when it was in the Leadership department. Since moving to the College of Business, this course is not needed as HOSP 3010 (Principles of Hospitality and Tourism Management) has taken its place.
- THEA 3300 – Classical Text and Performance
 - This course topic is going to be combined in rotation with THEA 4350 (Acting Workshop), in order to help with course enrollment.
- **Minor Description Update** **Implementation Fall 2023**
 - Agriculture Minor
 - Adding a minor description so students are able to clearly understand the minor and what they would learn if declared.
 - Art History Minor
 - Adding a minor description so students are able to clearly understand the minor and what they would learn if declared.
 - Classical Language Minor
 - Adding a minor description so students are able to clearly understand the minor and what they would learn if declared.
 - Graphic Design Minor
 - Adding a minor description so students are able to clearly understand the minor and what they would learn if declared.
 - Photography Minor
 - Adding a minor description so students are able to clearly understand the minor and what they would learn if declared.
 - Professional Writing Minor
 - Adding a minor description so students are able to clearly understand the minor and what they would learn if declared.
 - Studio Art Minor
 - Adding a minor description so students are able to clearly understand the minor and what they would learn if declared.

Action Agenda Items

College of Arts and Letters

Department of Communication – represented by Rob Baron

Graduate New Course – Final approval required by the Provost/SVP Academic Affairs.

1. COMM 5260 – Survey of Mass Media Implementation Summer 2023
 - This course is an overview of the history, social role, function, and organization of mass media in American society. The class provides a look at the origins and current structure of print, film, broadcast, and digital media as it relates to our politics, entertainment, business, and economic existence in the Age of Information. The course examines the ongoing relationship between media and American culture in our daily lives.

Graduate New Certificate – Final approval required by the University President

2. Communication Instruction Implementation Summer 2023
 - This certificate prepares individuals to education students in Communication courses at Tennessee Community Colleges and other venues. This certificate is specifically 18SCH to meet the accreditation requirements for instruction at a college level.

Undergraduate Program Modification – Final approval required by the Provost/SVP Academic Affairs

3. Journalism Concentration in BA/BS Communication Media Implementation Fall 2023
 - Alter the lower division courses by adding an “or” option between COMM 2920 (Photojournalism) and COMM 2930 (Media Imaging).
 - Alter the upper division courses by taking away COMM 3400 (Mass Communication Research Methods) and replacing it with COMM 3100 (Digital Publishing)
 - Alter the upper division courses by adding an “or” option between COMM 3420 (Principles of Social Media) and COMM 3770 (Social Media Tactics).
 - Removing the minor requirement.

Undergraduate Program Modification – Final approval required by the University President

4. Social Media Minor Implementation Fall 2023
 - The Social Media Minor provides students in any major the foundation and knowledge to develop professional social media skills. This minor is designed to prepare students for a variety of career opportunities in social media utilizing the strategies and content knowledge gained through the completion of courses offered in the minor.
5. Weather Broadcasting Minor Implementation Fall 2023
 - Terminating the minor as it is low producing.

Department of History and Philosophy – represented by Jordy Rocheleau

Undergraduate Program Modification – Final approval required by the Provost/SVP Academic Affairs

6. Ethics, Law, and Political Theory Concentration in BA/BS Philosophy and Religion Implementation Fall 2023
 - Removing the PHIL 2200 (Religion and the World) option from the Introductory courses for Philosophy and Religion
7. Philosophical Studies Concentration in BA/BS Philosophy and Religion Implementation Fall 2023
 - Removing the PHIL 2200 (Religion and the World) option from the Introductory courses for Philosophy and Religion
8. Religious Studies Concentration in BA/BS Philosophy and Religion Implementation Fall 2023
 - Allowing only PHIL 2200 (Religion and the World) to count as the required Introductory course.

Department of Languages and Literature – represented by

Undergraduate Program Modification – Final approval required by the Provost/SVP Academic Affairs

9. Classical Civilization Minor Implementation Fall 2023
 - Adding PHIL 3110 (Medieval Philosophy) to the list of acceptable electives.
10. Creative Writing and Publishing Minor Implementation Fall 2023
 - Reducing the current number of electives in the listed to three from five.
 - Adding two areas of electives to the minor. One area is to complete one course in professional writing/publishing and the other is one course in media/marketing.
 - 18 hours will remain required.
 - Updating the minor description for clarity.
11. English Writing Minor Implementation Fall 2023
 - Terminating the English Writing minor as it is low producing.

Department of Theatre and Dance – represented by Dale Pickard

12. Design Concentration in BA Theatre Implementation Fall 2023
 - Terminating the Design Concentration as it is being combined with Acting into a more generalized concentration of Theatre.

College of Behavioral and Health Sciences

Department of Criminal Justice – represented by

Undergraduate New Course – Final approval required by the Provost/SVP Academic Affairs

13. NSS 2400 – Global vs. Regional Power Conflicts Implementation Fall 2023
- This course explores historical and modern-day conflicts related to power competition at both the global and regional levels. Some attention will be given to theoretical concepts on power transition, alliances, hegemony, and the “steps to war”.
14. NSS 3500 – Current and Emerging Threats to US Security Implementation Fall 2023
- Examination of U.S. security challenges in the president’s current National Security Strategy. Emerging national and global threats will also be explored with content updated as they surface. Discussion of emerging threats may reflect the instructor’s expertise and include topics like armed conflicts, terrorism, cyberattacks, emerging technologies, global health, etc.

Department of Health and Human Performance – represented by Tim Leszczak and Kelly Kleinhans (CSDI)

Graduate New Course – Final approval required by the Provost/SVP Academic Affairs

15. HHP 5360 – Sport and Wellness Entrepreneurship Implementation Fall 2023
- Sport and Wellness Entrepreneurship, walks you through the business-based side of fitness while teaching you the valuable skills you’ll need to start, build, and grow your own business.

Undergraduate New Course – Final approval required by the Provost/SVP Academic Affairs

16. CSDI 3080 – Sign Language for Speech-Language and Hearing Sciences Implementation Spring 2024
- Introductory course for speech-language pathology and audiology students who require basic comprehension and expressive skills in American Sign Language, including vocabulary, grammar, and finger spelling to support service delivery with the deaf.

Graduate Program Modification – Final approval required by the Provost/SVP Academic Affairs

17. Performance Enhancement and Coaching Concentration in MS HHP Implementation Fall 2023
- Removing HHP 5750 (Applied Nutrition for Education) from the program.
 - Adding HHP 5360 (Fitness Entrepreneurship) to the program.
18. Healthcare Administration, MHA Implementation Fall 2023
- Updating the admission requirements.

- Updating the admission requirements.

Undergraduate Program Modification – Final approval required by the Provost/SVP Academic Affairs

20. Communication Sciences and Disorders Concentration in BS Health and Human Performance

Implementation Fall 2023

- Increasing the major credit hour requirement from 45SCH to 48SCH.
- Updating the CSDI 4025 (Clinical Experience) to a 3SCH course required in the concentration.
- Removing CSDI 4010 (Evidence-Based Practice in Communication Sciences and Disorders) as a requirement and moving it to an elective option.
- Add CSDI 3080 (Sign Language for Speech-Language and Hearing Sciences) as a required course.

Department of Leadership- represented by William Rayburn

Graduate Program Modification – Final approval required by the Provost/SVP Academic Affairs

21. Grant Writing Certificate

Implementation Fall 2023

- Reducing the number of required hours from 12SCH to 9SCH. This will be completed by reducing the number of electives required.
- Updating the certificate elective options by removing LDSP 5105 (Project Planning and Scheduling), LDSP 5350 (Diversity in the Workplace), LDSP 5210 (Globalization), and LDSP 5050 (Professional Issues and Ethics) adding LDSP 5110 (Organizational Innovation) and LDSP 5998 (Professional Project). The additions are courses on record for the LDSP program currently.

Department of Psychological Science and Counseling – represented by Adriane Sanders

Graduate New Course – Final approval required by the Provost/SVP Academic Affairs

22. PSYC 5502 – Measurement and Statistics in Applied Psychology

Implementation Fall 2023

- An introduction to advanced behavioral statistics and applied measurement theory in applied psychology. Topics include descriptive statistics and normalcy, parametric and nonparametric inferential statistics, reliability and validity assessment, multivariate statistical techniques, and fundamentals of psychometric analysis and measurement.

23. PSYC 5503 – Research Methodology in Applied Psychology

Implementation Fall 2023

- An introduction to research design in Applied Psychology. Topics include the design and implementation of experimental and non-experimental methodologies, use of qualitative and quantitative methods, scientific writing, item writing and survey creation, bias, and ethical research.

24. PSYC 5988 – Comprehensive Exam Implementation Fall 2023

- Instruction in the preparation for and completion of the MSIO Comprehensive Exam. MSIO students will generally enroll in this course during the semester they seek to graduate (exceptions to course timing must be approved by the student’s advisor and/or program coordinator). Students must receive a grade of (P)ass to fulfill the milestone requirement of the comprehensive exam path in the MSIO program.

25. PSYC 5989 – Pre-Thesis Implementation Fall 2023

- Instruction in the process, planning, and preliminary stages of the Thesis. MSIO students will enroll in this course one semester prior to registering for their first semester of thesis hours (exceptions to course timing must be approved by the student’s advisor and/or program coordinator).

26. PSYC 6045 – Consulting in Organizational Psychology Implementation Fall 2023

- Course introduces foundations of consulting psychology, and emphasizes APA code of ethics, legal, and professional standards for practice. Reinforcing foundational and functional competencies in organization development, topics include process of planned change management, strategy, diagnosis, planning, implementing and evaluating interventions at all levels of analysis within an organization, and sustainability.

Graduate Program Modification – Final approval required by the Provost/SVP Academic Affairs

27. Industrial Organizational Psychology, MSIO Implementation Fall 2023

- PSYC 5501 (Orientation to I-O Psychology) increasing from 1SCH to 3SCH.
- Removing PSYC 5520 (Personnel Selection and Assessment) as incoming students will now completed PSYC 5580 (Personnel Psychology) which has been revised and updated.
- Creating PSYCH 6045 (Consulting in Organizational Psychology) and adding it to the elective options.
- Creating PSYC 5988 (Comprehensive Exam) which will be taken by those pursuing Comprehensive Exam track.
- Creating PSYC 5989 (Pre-Thesis) which will be taken by those completing the Thesis track.

Undergraduate Program Modification – Final approval required by the Provost/SVP Academic Affairs

28. Psychological Science, BS Implementation Fall 2023

- Adding PSYC 4025 (Wrongful Convictions) to the Major Guided Electives

Undergraduate New Course – Final approval required by the Provost/SVP Academic Affairs

29. SOC 2550 – Foundations of Community Development Implementation Fall 2023

- Community development refers to the broad set of skills and institutions that local communities utilize in an effort to improve the quality of life for all residents. We consider the history of community development as a contested response to situated social problems. This course examines the history of housing, economic trends, and social policies that have affected marginalized communities across the US, and the various ways through organizing and capacity building, that community development professionals and activists have sought to improve these conditions. We consider how power works, with particular attention to race, class and gender and other axes of difference, and question how power sets the boundaries of community, defining who is in and out, and privileging some forms of knowing over others. Topics will include the provision of affordable housing, community economic development and finance, education and workforce development, food systems, and environmental sustainability.

30. SOC 3110 – Dimensions of Fairness Implementation Fall 2023

- While many in the United States embrace the rhetoric of equal rights and the American Dream, inequality persists in living standards, power over resources and life chances. This course explores the fairness of society as understood by sociologists. Using sociological theory and concepts, we will consider the causes, consequences and extent of social and economic inequalities in the United States. What social categories are most meaningful for explaining contemporary U.S. inequalities? How are these categories stratified, how are people assigned to them, and how are resources distributed across these categories? In this course, we will also examine key institutions central to generating and sustaining inequality in the contemporary United States including families, neighborhoods, education, and labor markets. Within each domain, we pay special attention to the significance of race and ethnicity, social class and gender and how they intersect to produce disparate outcomes and consequences for individuals and social groups.

Undergraduate Program Modification – Final approval required by the University President

31. Health and Social Justice Minor Implementation Fall 2023

- This minor is designed to highlight the systemic correlates of health and disease. Students will develop an understanding of inequities in health outcomes related to race, ethnicity, class, gender, sexual identity, gender identity, and other sociocultural factors.

32. Sociology and Community Development, BS Implementation Fall 2023

- Adding a new required course of SOC 3110 (Dimensions of Fairness).
- Adding a new required course of SOC 2550 (Foundations of Community Development).
- Adding SOC 4420 (Environmental Sociology) to the major electives.
- Changing SOC 3050 (Race and Ethnicity in a Multicultural Society), 3080 (Gender and Sexualities) and 3300 (Power, Privilege, and Global Inequality) from all being required to a complete one option.

- Removing MATH 1530 (Elements of Statistics) as a course to satisfy the General Education Core.
- Removing SOC 2700 (Sociology as a Profession) from a required course as its content is being combined with SOC 3740 (Professional Writing and Career Readiness).
- Reducing the required credit hours from 39SCH to 36SCH.

Department of Social Work – represented by Notashia Crenshaw

Undergraduate New Course – Final approval required by the Provost/SVP Academic Affairs

33. SW 4905 – Comparative Access and Usage of Social Service Programs in Scotland

Implementation Summer 2023

- This study abroad is a course to engage students in exploring social service and social welfare programs comparing the United States versus the United Kingdom model of helping. In the students will learn about the history of the social service system in the United Kingdom compared to the American style system of “safety net” and “Elizabethan Poor Laws” and offer methods to compare the two methods of service delivery. By comparing social welfare states both across the UK and the US and within the UK, the course will explore different values and ideologies. We will also travel to Scotland to visit various agencies that provide social services to clients to explore how the agencies actually work at the site. In this highly interactive class, this mixed and diverse group of students will explore both on the US side and on the UK side what it feels like to be a consumer of services and a provider of social services via experiential learning exercises, readings, journaling, and site visits of agencies.

College of Business

Department of Management and Marketing – represented by Mickey Hepner

Graduate New Course – Final approval required by the Provost/SVP Academic Affairs

34. MGT 5055 – Executive Decision Making

Implementation Fall 2023

- Prepares students to gather, describe, and analyze data to make strategic business decisions.

35. MGT 5120 – Advanced Business Communication

Implementation Fall 2023

- The application of business communication principles through the creation of effectiveness business documents and professional presentations. Includes the study, composition, and revision of business documents such as emails, memorandums, and reports the use of technology, and selecting the appropriate tone and media to facilitate the communication process in a business environment.

Graduate New Certificate – Final approval required by the University President

36. Responsible Human Resources Management Implementation Fall 2023
- This certificate is intended for students who want to prepare for a business career in the field of human resource management or corporate social responsibility. This certificate provides students with significantly diverse and transferable knowledge and skills.

Graduate Program Modification – Final approval required by the University President

37. Responsible Human Resource Management in MS Management Implementation Fall 2023
- This concentration is intended for students who want to prepare for a business career in the field of human resource management or corporate social responsibility. This concentration provides students with significantly diverse and transferable knowledge and skills.

Graduate Program Modification – Final approval required by the Provost/SVP Academic Affairs

38. Management, MS Implementation Fall 2023
- Removing MGT 5000 (Applied Business Research) and MGT 5020 (Managerial use of Financial Reports) from the Management Core.
 - Adding MGT 5055 (Executive Decision Making) and MGT 5120 (Advanced Business Communication) to the Management Core.
 - Adding MGT 5100 (Employee Training) to the Major Guided Electives removing MGT 5010 (Business Foundations) from the Major Guided Electives.

College of Science, Technology, Engineering, and Mathematics

Department of Biology – represented by Gilbert Pitts

Graduate Program Modification – Final approval required by the Provost/SVP Academic Affairs

39. Biology, MS Implementation Fall 2023
- Updating the Admissions requirements to better serve the students.

Department of Computer Science and Information Technology – represented by Jackie Vogel

Graduate Program Modification – Final approval required by the Provost/SVP Academic Affairs

40. Mathematical Finance Concentration in MS Computer Science and Quantitative Methods
Implementation Fall 2023

- Adding MATH 5230 (Risk and Interest Rate Models) to the concentration requirements
- Removing STAT 5910 (Capstone Project) and STAT 5900 (Internship) from the complete one from option of the concentration.
- Removing the CSCI and ACCT range in the electives.
- Adding specifically CSCI 5010 (Database Management Concepts) and CSCI 5080 (Data Mining Applications) to the concentration guided electives.

41. Mathematical Finance Concentration in PSM Computer Science and Quantitative Methods
Implementation Fall 2023

- Adding MATH 5230 (Risk and Interest Rate Models) to the concentration requirements
- Removing STAT 5910 (Capstone Project) and STAT 5900 (Internship) from the complete one from option of the concentration.
- Removing the CSCI and ACCT range in the electives.
- Adding specifically CSCI 5010 (Database Management Concepts) and CSCI 5080 (Data Mining Applications) to the concentration guided electives.

42. Mathematics Instruction Concentration in MS Computer Science and Quantitative Methods
Implementation Fall 2023

- Removing the CSCI 5000 range from the electives and specifically listing CSCI 5010 (Database Management Concepts) and CSCI 5080 (Data Mining Applications) to Option II Comprehensive Exam.

Department of Mathematics and Statistics – represented by Jackie Vogel

Graduate New Course – Final approval required by the Provost/SVP Academic Affairs

43. MATH 5190 – Advanced Fundamentals of Actuarial Mathematics Implementation Summer 2023

- This course covers important actuarial methods useful in modeling, foundational principles of ratemaking and reserving for short-term coverages, and the theoretical basis of contingent payment models and their application to insurance and other financial risks. It prepares students for the FAM actuarial exam.

Department of Earth and Environmental Sciences – represented by Jack Deibert

Undergraduate Program Modification – Final approval required by the Provost/SVP Academic Affairs

44. Earth and Environmental Sciences, BS Implementation Fall 2023
- Updating the major name from Geosciences to Earth and Environmental Sciences. This will align the department and major name while also clarifying what exactly the department and majors prepares student for upon graduation.

Degree Completion – represented by Allen Barger

Undergraduate Program Modification – Final approval required by the Provost/SVP Academic Affairs

45. Survey of Organizational Administration and Supervision Concentration in BS General Studies Implementation Fall 2023
- Adding the BUS courses to the option of courses which can complete the concentration requirements.
46. Health Professions Concentration in AS Liberal Arts Implementation Fall 2023
- Adding CLAS 2110 (Medical and Scientific Terms) and SOC 1040 (Social Problems) to the options in the guided electives.
47. Culinary Arts Concentration in AAS Professional Services Implementation Fall 2023
- Adding an “or” HHP 1250 (Wellness Concepts and Practice) to the LDSP 2100 (Foundations of Leadership) option in the core
 - Adding “or” MGT 2010 (Principles of Management and Organizational Behavior) to the LDSP 2010 (Intro to Organization Management) in the major core.
 - Removing BUS 2100 (Business Statistics) and adding (MKT 2010 Principles of Marketing) to the major core.
 - Adding CULA 1300 (Special Topics I), CULA 1301 (Special Topics II), and CULA 1302 (Special Topics III) to the Concentration Guided Electives.
48. Recreational Administration Concentration in AAS Professional Services Implementation Fall 2023
- Adding an “or” HHP 1250 (Wellness Concepts and Practice) to the LDSP 2100 (Foundations of Leadership) option in the core
 - Adding “or” MGT 2010 (Principles of Management and Organizational Behavior) to the LDSP 2010 (Intro to Organization Management) in the major core.
 - Removing BUS 2100 (Business Statistics) and adding (MKT 2010 Principles of Marketing) to the major core.
 - Adding the PHED courses (except 1310) as optional guided electives.

Martha Dickerson Eriksson College of Education

Department of Teaching and Learning – represented by Benita Bruster

Graduate Program Modification – Final approval required by the Provost/SVP Academic Affairs

49. Elementary Education K-5 Concentration in MAT Teaching

Implementation Fall 2023

- Adding EDUC 5620 (EdTPA) as an option to the Student Teaching Requirements.

Undergraduate Program Modification – Final approval required by the Provost/SVP Academic Affairs

50. 6-12 Secondary Chemistry Education Concentration in BS Education

Implementation Fall 2023

- The College of Education is seeking to add a concentration in 6-12 Secondary Chemistry Education. This concentration will prepare teacher candidates who will be competent in both subject matter content and research-based science pedagogy. The preparation in this program will address InTASC Standards through the professional education core, Practicum, and Student Teaching field experiences.

51. 6-12 Secondary Earth Science Education Concentration in BS Education

Implementation Fall 2023

- The College of Education is seeking to add a concentration in 6-12 Secondary Earth Science. This concentration will prepare teach candidates who will be competent in both subject matter content and research-based science pedagogy. Successful completion of this concentration will lead to teaching licensure in Tennessee. This preparation in this program will address InTASC Standards through the professional education core, Practicum, and Student Teaching field experiences.

52. 6-12 Secondary Biology Concentration in BS Education

Implementation Fall 2023

- The College of Education is seeking to add a concentration in 6-12 Secondary Biology. This concentration will prepare teacher candidates to be competent in both subject matter content and research-based science pedagogy. This preparation in this program will address InTASC Standards through the professional education core, Practicum, and Student Teaching field experiences.

53. Education Non-Licensure Concentration in BS Education

Implementation Fall 2023

- The College of Education is seeking to add a concentration in Education Non-Licensure. This concentration will emphasize education-related disciplines related to children, adolescents, and their families. These topic specific courses will help students to obtain their career objective. Students with this concentration, while not receiving licensure, may work with pre-school children, after-school programs, paraprofessionals, and other youth-oriented activities.

54. Career and Technical Licensing Certificate

Implementation Fall 2023

- This certificate is designed to assist students who are seeking initial licensure as a Career and Technical (CTE) Educator. Students will be job embedded while completing the required coursework needed to become a fully licensed educator with the state of Tennessee.