

COMPUTER SCIENCE AND INFORMATION SYSTEMS

Information Sheet

The Department of Computer Science and Information Technology offers a Bachelor of Science degree with a major in Computer Science and Information Systems. There are four areas of study or concentrations available under this major.

- **Computer Science Concentration** This program concentrates on the technical areas of computing with an emphasis on programming and algorithm design. It includes a significant mathematics component.
- **Information Systems Concentration** 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.
- **Internet and Web Technology** This concentration trains students in the development and support of Internet applications. It emphasizes the construction of Web sites and the use of scripting languages.
- **Database Administration** This program trains students in the design, implementation, and administration of databases, including those accessed by Web applications.

Each of these concentrations requires that the student complete the Liberal Arts Core Requirements and the requirements for a minor. The Department of Computer Science and Information Technology is located on the third floor of the Claxton Building. There are currently about 250 Computer Science and Information Systems majors from which come 30-40 graduates each year. Transfer students and non-traditional students are welcome in the Department.

The Department offers a number of scholarships to students who qualify each year with additional financial assistance available through student employment in the Department.

Two professional organizations, the APSU Student Chapter of ACM and the Lambda Lambda Lambda Computer Science Fraternity, are available for student participation.

Advisors are available to assist prospective students in choosing a concentration and planning a program that will lead to graduation. Information on all of the programs in the Department is available at the Department's Web site, www.apsu.edu/csit

For more information, contact

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(931)221-7822; myersb@apsu.edu

BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE AND INFORMATION SYSTEMS
COMPUTER SCIENCE CONCENTRATION

The Department of Computer Science and Information Technology offers a Bachelor of Science degree with a major in Computer Science and Information Systems. The Computer Science Concentration covers the technical areas of computing with an emphasis on programming and algorithm design. It includes a significant mathematics component.

I. Communications - 9 hours

- ENGL 1010 (3)
- ENGL 1020 (3)
- COMM 1010 (3)

II. History - 6 hours

- HIST 2010 (3)
- HIST 2020 (3)

III. Humanities - 9 hours

- ENGL 2030 (3)
- _____ (3)
- _____ (3)

IV. Natural Sciences - 8 hours

- _____ (4)
- _____ (4)

V. Mathematics (select one option 3-6 hrs) Satisfied by Major.

VI. Social and Behavioral Sciences - 6 hours

- _____ (3)
- _____ (3)
- APSU 1000 (1)

COMPUTER SCIENCE

- CSCI 1010 (3)
- CSCI 2010 (3)
- CSCI 3250 (3)
- CSCI 3400 (3)
- CSCI 3410 (3)
- CSCI 4100 (3)
- CSCI 4230 (3)
- CSCI 4800 (1)

Select one from

- CSCI 2060 (3)
- CSCI 2070 (3)
- CSCI 2080 (3)

Select two from

- CSCI 3005 (3)
- CSCI 3500 (3)
- CSCI 4350 (3)
- CSCI 4400 (3)
- CSCI 4450 (3)
- CSCI 4500 (3)
- CSCI 4550 (3)
- CSCI 4600 (3)
- CSCI 4700 (3)

Others required:

- MATH 1910 (5)
- MATH 1920 (5)
- MATH 3000 (3)
- MATH 3450 (3)
- MATH 4670 (3)

Course Selection Worksheet

CRN	Subject	Crse #	Sec #	Credits	Time	Mon	Tues	Wed	Thurs	Fri	Sat	Location

Fall Spring Summer I Summer II Year _____

Student Name: _____ ID: _____

Alternate PIN: _____ Student Signature: _____

BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE AND INFORMATION SYSTEMS
INFORMATION SYSTEMS CONCENTRATION

The Department of Computer Science and Information Technology offers a Bachelor of Science degree with a major in Computer Science and Information Systems. The Information Systems Concentration 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.

I. Communications - 9 hours

- ___ ENGL 1010 (3)
- ___ ENGL 1020 (3)
- ___ COMM 1010 (3)

II. History - 6 hours

- ___ HIST 2010 (3)
- ___ HIST 2020 (3)

III. Humanities - 9 hours

- ___ ENGL 2030 (3)
- ___ _____ (3)
- ___ _____ (3)

IV. Natural Sciences - 8 hours

- ___ _____ (4)
- ___ _____ (4)

V. Mathematics (select one option 3-6 hrs) Satisfied by Major.

VI. Social and Behavioral Sciences - 6 hours

- ___ _____ (3)
- ___ _____ (3)
- ___ APSU 1000 (1)

INFORMATION SYSTEMS

- ___ CSCI 1010 (3)
- ___ CSCI 2010 (3)
- ___ CSCI 2060 (3)
- ___ CSCI 2070 (3)
- ___ CSCI 3020 (3)
- ___ CSCI 3200 (3)
- ___ CSCI 3400 (3)
- ___ CSCI 3700 (3)
- ___ CSCI 4100 (3)
- ___ CSCI 4400 (3)
- ___ CSCI 4750 (3)
- ___ CSCI 4800 (1)
- ___ MATH 1530 (3)
- ___ ENGL 1100 (3)

- Select one from**
- ___ MATH 1810 (3)
 - ___ MATH 1910 (5)

Minor in General Business is suggested.

Course Selection Worksheet

CRN	Subject	Crse #	Sec #	Credits	Time	Mon	Tues	Wed	Thurs	Fri	Sat	Location

Fall Spring Summer I Summer II Year _____

Student Name: _____ ID: _____

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BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE AND INFORMATION SYSTEMS
DATABASE ADMINISTRATION CONCENTRATION

The Department of Computer Science and Information Technology offers a Bachelor of Science degree with a major in Computer Science and Information Systems. The Database Administration concentration trains students in the design, implementation, and administration of databases, including those accessed by Web applications.

I. Communications - 9 hours

- ENGL 1010 (3)
- ENGL 1020 (3)
- COMM 1010 (3)

II. History - 6 hours

- HIST 2010 (3)
- HIST 2020 (3)

III. Humanities - 9 hours

- ENGL 2030 (3)
- _____ (3)
- _____ (3)

IV. Natural Sciences - 8 hours

- _____ (4)
- _____ (4)

V. Mathematics (select one option 3-6 hrs) Satisfied by Major.

VI. Social and Behavioral Sciences - 6 hours

- _____ (3)
- _____ (3)
- APSU 1000 (1)

DATABASE ADMINISTRATION

- CSCI 1005 (3)
- CSCI 3000 (3)
- CSCI 3200 (3)
- CSCI 3300 (3)
- CSCI 3700 (3)
- CSCI 4400 (3)
- CSCI 4750 (3)
- CSCI 4800 (1)
- CSCI 4940 (3)
- GB 3010 (3)

Select one from

- CSCI 4410 (3)
- CSCI 4420 (3)
- CSCI 4430 (3)

Select one from

- CSCI 4610 (3)
- CSCI 4650 (3)

Select one from

- CSCI 1015 (3)
- CSCI 1016 (3)

Course Selection Worksheet

CRN	Subject	Crse #	Sec #	Credits	Time	Mon	Tues	Wed	Thurs	Fri	Sat	Location

Fall Spring Summer I Summer II Year _____

Student Name: _____ ID: _____

Alternate PIN: _____ Student Signature: _____

BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE AND INFORMATION SYSTEMS
INTERNET AND WEB TECHNOLOGY CONCENTRATION

The Department of Computer Science and Information Technology offers a Bachelor of Science degree with a major in Computer Science and Information Systems. The Internet and Web Technology concentration trains students in the development and support of Internet applications. It emphasizes the construction of Web sites and the use of scripting languages.

I. Communications - 9 hours

- ENGL 1010 (3)
- ENGL 1020 (3)
- COMM 1010 (3)

II. History - 6 hours

- HIST 2010 (3)
- HIST 2020 (3)

III. Humanities - 9 hours

- ENGL 2030 (3)
- _____ (3)
- _____ (3)

IV. Natural Sciences - 8 hours

- _____ (4)
- _____ (4)

V. Mathematics (select one option 3-6 hrs) Satisfied by Major.

VI. Social and Behavioral Sciences - 6 hours

- _____ (3)
- _____ (3)
- APSU 1000 (1)

INTERNET & WEB TECHNOLOGY

- CSCI 1005 (3)
- CSCI 3200 (3)
- CSCI 3300 (3)
- CSCI 3700 (3)
- CSCI 4000 (3)
- CSCI 4050 (3)
- CSCI 4400 (3)
- CSCI 4630 (3)
- CSCI 4750 (3)
- CSCI 4800 (1)
- CSCI 4940 (3)

- Select one from**
- CSCI 4390 (3)
 - CSCI 4650 (3)
- Select one from**
- CSCI 1015 (3)
 - CSCI 1016 (3)

Course Selection Worksheet

CRN	Subject	Crse #	Sec #	Credits	Time	Mon	Tues	Wed	Thurs	Fri	Sat	Location

Fall Spring Summer I Summer II Year _____

Student Name: _____ ID: _____

Alternate PIN: _____ Student Signature: _____
