

COMPUTER INFORMATION SYSTEMS – Programming Concentration

2022 - 2023

Name _____

ID _____

General Education 35 hours

Composition (6 hrs)

COMP

ENGL 1013 Comp. I _____
 ENGL 1023 Comp. II _____

Fine Arts (3 hrs)

Choose one:

ART 1053 Art Appreciation _____
 FA 1013 Fine Arts Appreciation _____
 FA 1023 Film Appreciation _____
 MUSIC 1113 Music Appreciation _____

Humanities (3 hrs)

Choose one:

Any literature course _____
 Any philosophy course _____
 Any foreign language course _____

Communication (3 hrs)

Choose one:

COMM 1023 Public Speaking _____
 COMM 2203 Interpersonal Comm. _____
 COMM 2283 Business & Professional _____
 NRM 2063 Natural Resources Communication _____

U.S. History or Government (3 hrs)

Choose one:

HIST 2213 American History I _____
 HIST 2223 American History II _____
 PSCI 2213 Amer. Nat. Govt. _____

Social Sciences (6 hrs)

Choose two courses from different disciplines:

ANTH 2203 Cultural Anthropology _____
 ANTH 2213 North American Indians _____
 ANTH 2223 World Prehistory _____
 ANTH 2233 Arkansas Regional Archeology _____
 ANTH 2243 Sex, Gender, and Culture _____
 ANTH 2253 Intro to Archeology _____
 CJ 1013 Intro. to Criminal Justice _____
 CJ 2293 Law and Society (same as PSCI 2293) _____
 ECON 2203 Prin. of Macroeconomics _____
 ECON 2213 Prin. of Microeconomics _____
 GEOG 2213 Geography I _____
 GEOG 2223 Geography II _____
 HIST 1013 World History to 1500 _____
 HIST 1023 World History since 1500 _____
 PSCI 2223 State Government Arkansas _____
 PSCI 2233 Comparative Politics _____
 PSCI 2293 Law and Society (same as CJ 2293) _____
 PSCI 2353 World Politics _____
 PSY 1013 Intro. to Psychology _____
 SOC 2213 Intro. to Sociology _____
 SOC 2223 Social Problems _____
 SWK 1003 Survey of Social Work _____

Mathematics (3 hrs)

Any MATH 1000 level or above _____

MATH 1003 Quantitative Literacy _____
 MATH 1043 College Algebra _____
 MATH 1103 Quantitative Literacy w/Review _____

COMP

Science w/lab (8 hrs)

Choose two 3-hour lecture courses with associated 1-hour labs or two 4-hour courses with integrated labs:

Biology/Lab _____/_____
 Chem./Lab _____/_____
 Earth Sci./Lab _____/_____
 Physics/Lab _____/_____

Major Requirements 22 hours

CIS 1193 PC Hardware/Software Maintenance _____
 CIS 2203 Programming Logic & Design _____
 CIS 2223 Microcomputer Applications _____
 CIS 3523 System Analysis & Design _____
 CIS 4503 Data Communications & Networking _____
 CIS 4623 Database Mgmt. Systems _____
 CIS 4634 Software Development Project _____

Programming Concentration 18 hours

CIS 3423 COBOL _____
 CIS 3443 Object-Oriented Programming _____
 CIS 3553 Advanced COBOL _____
 Choose one:
 CIS 3453 WWW Programming _____
 CIS 3463 Programming Mobile Apps _____
 CIS 3000-4000 level 3-hour elective _____
 CIS 3000-4000 level 3-hour elective _____

Supportive Requirements 21 hours

ACCT 2213 Principles of Financial Accounting _____
 ACCT 2223 Principles of Managerial Accounting _____
 Choose one:
 ECON 2203 Prin. of Macroeconomics _____
 ECON 2213 Prin. of Microeconomics _____
 ECON 2113 Business Statistics I _____
 GB 2043 Business Communications _____
 MKT 3403 Principles of Marketing _____
 Choose one:
 MGMT 3473 Prin. of Mgmt. & Org. Behavior _____
 MGMT 4613 Mgmt. Info. Systems _____

Electives 24 hours

** General electives:
 * UST 1001 or 1003 Pathway to Success _____

* Required for first-time freshman

** 3 hours must be at the 3000-4000 level

For General Electives, CIS recommends the following:
 CIS 3103 Advanced Microcomputer Applications

A **Business Minor** may be obtained by taking MGMT 3473, FIN 3473, and a 3 upper level elective hour in ACCT, ECON, FIN, GB, MGMT, or MKT