



DEGREE PROGRAM

Computer Information Systems (102)

Effective Fall 2024
Semester-by-Semester Course Plan

Application Development (102A) • Networking & Cyber Security (102I) •
Information Systems Management (102H)
Blue = CIS Core & Concentration Common Courses

Highlight Meaning: Yellow – Satisfied Requirement; Blue – On Track To Satisfy Requirement/Currently Taking; Red/Orange – Suggestion to Take; Green – See If We Can Substitute; Blank – Still to be Satisfied

| | Hours | | Hours |
|-----------------------------------|-------|-------------------------------------|-------|
| Fall – 1st Year | | Spring – 1st Year | |
| CIS 1015 | 3 | CIS 1030 | 3 |
| CIS 1090 | 3 | CIS Concentration Class | 3 |
| ENGL 1010 | 3 | ENGL 1020 | 3 |
| FA 1040 | 3 | MATH 1060 | 3 |
| MATH 1020 | 3 | SCI 1010 | 3 |
| UNIV1000 | 1 | | |
| Total | 16 | Total | 15 |
| Fall – 2nd Year | | Spring – 2nd Year | |
| BUAD 2120 | 3 | BUAD 2200 | 3 |
| CIS 2980 | 3 | CIS 3020 | 3 |
| CIS Concentration Class | 3 | CIS Concentration Class | 3 |
| COMM1010 or COMM2500 | 3 | ECON 2010 | 3 |
| ECON 2000 | 3 | SCI 1020 | 3 |
| Total | 15 | Total | 15 |
| Fall – 3rd Year | | Spring – 3rd Year | |
| ACCT 2000 | 3 | ACCT 2010 | 3 |
| CIS Concentration Class | 3 | CIS Concentration Class | 3 |
| CIS Concentration Class | 3 | CIS Concentration Class | 3 |
| ENGL2110 | 3 | MGT 3220 | 3 |
| SCI 2010 or 2020 | 3 | PSYC 1010 | 3 |
| Total | 15 | Total | 15 |
| Fall – 4th Year | | Spring – 4th Year | |
| BUAD 3270 | 3 | BLAW 2250 or BLAW 3280 (preferred) | 3 |
| CIS 3900 | 3 | BUAD 4900 | 2 |
| CIS Concentration Class | 3 | CIS 4600 | 3 |
| FIN 3090 | 3 | CIS Concentration Class | 3 |
| MKTG 3230 | 3 | HIST (1010, 1020, 2010, 2020) | 3 |
| Total | 15 | Total | 14 |

COMPUTER INFORMATION SYSTEMS

Application Development Concentration

Effective Fall 2024

| University Core | Hrs | Grade | CIS Curriculum | Hrs | Grade |
|--|-----------|-------|---|------------|-------|
| ENGLISH | | | CIS 1015 Intro. to CIS | 3 | |
| ENGL 1010 Composition and Rhetoric I | 3 | | CIS 1030 Intro. to Software Dev. (Java I) | 3 | |
| ENGL 1020 Composition and Rhetoric II | 3 | | CIS 2980 Database Systems | 3 | |
| MATHEMATICS | | | CIS 3020 Web Page Development | 3 | |
| MATH 1020 College Algebra | 3 | | CIS 3900 Systems Analysis and Development | 3 | |
| MATH 1060 Finite Mathematics | 3 | | CIS 4600 Advanced Systems Development | 3 | |
| SCIENCES | | | Application Development Concentration: | | |
| SCI 1010 Basic Concepts of Physical Science I | 3 | | CIS 3300 Intermediate Object-Oriented Programming (Java II) | 3 | |
| SCI 1020 Basic Concepts of Biological Science I | 3 | | CIS 3970 Secure Programming Principles | 3 | |
| SCI 2010 or 2020 Basic Concepts of Physical Science II/Biological Science II | 3 | | CIS 4000 Advanced Database Systems | 3 | |
| HUMANITIES | | | CIS 4020 Advanced Object-Oriented Programming (Java III) | 3 | |
| ENGL 2110 Introduction to Literature | 3 | | CIS 4060 Mobile Applications Development | 3 | |
| HIST (from 1010, 1020, 2010, 2020) Early World Civilization, Modern World Civilization, History of the United States | 3 | | 4 CIS Elective from any CIS class except CIS 1060 and CIS 2000 and CIS 3100 | 12 | |
| COMM1010 Oral Communication | 3 | | | | |
| FINE ARTS | | | | | |
| FA 1040 Exploring the Arts | 3 | | Total CIS | 45 | |
| SOCIAL/BEHAVIORAL SCIENCES | | | Business Core | | |
| ECON 2000 Principles of Macroeconomics | 3 | | ACCT 2000 Financial Accounting | 3 | |
| PSYC 1010 General Psychology | 3 | | ACCT 2010 Managerial Accounting | 3 | |
| Total University Core Hours | 39 | | BUAD 2120 Basic Business Statistics | 3 | |
| | | | BUAD2200 Business Reports & Communication | 3 | |
| Additional Support Courses | | | BUAD 3270 International Business | 3 | |
| CIS 1090 (Intro. to Computer Applications) | 3 | | BLAW 3280 Cyber Business Law (preferred) or BLAW 2250 Business Law I | 3 | |
| ECON 2010 Principles of Microeconomics | 3 | | BUAD 4900 Business Senior Seminar | 2 | |
| UNIV 1000 The University Experience | 1 | | FIN 3090 Business Finance | 3 | |
| | | | MGT 3220 Organization and Management | 3 | |
| Total Additional Support Hours | 7 | | MKTG 3230 Principles of Marketing | 3 | |
| | | | Total Business Core | 29 | |
| | | | TOTAL DEGREE HOURS | 120 | |

COMPUTER INFORMATION SYSTEMS

Networking & Cyber Security Concentration

Effective Fall 2024

| University Core | Hrs | Grade | CIS Curriculum | Hrs | Grade |
|--|-----------|-------|--|------------|-------|
| ENGLISH | | | CIS 1015 Intro. to CIS | 3 | |
| ENGL 1010 Composition and Rhetoric I | 3 | | CIS 1030 Intro. to Software Dev. (Java I) | 3 | |
| ENGL 1020 Composition and Rhetoric II | 3 | | CIS 2980 Database Systems | 3 | |
| MATHEMATICS | | | CIS 3020 Web Page Development | 3 | |
| MATH 1020 College Algebra | 3 | | CIS 3900 Systems Analysis and Development | 3 | |
| MATH 1060 Finite Mathematics | 3 | | CIS 4600 Advanced Systems Development | 3 | |
| SCIENCES | | | Networking/Cyber Security Concentration: | | |
| SCI 1010 Basic Concepts of Physical Science I | 3 | | CIS 2080 Essentials of Network Design and Hardware (CompTIA A+) – CORE 2 | 3 | |
| SCI 1020 Basic Concepts of Biological Science I | 3 | | CIS 2090 Essentials of Network Design and Hardware (CompTIA A+) – CORE 1 | 3 | |
| SCI 2010 or 2020 Basic Concepts of Physical Science II/Biological Science II | 3 | | CIS 3400 Telecommunications and Networks (CompTIA Network+) | 3 | |
| HUMANITIES | | | CIS 3700 Introduction to Servers (CompTIA Server+) | 3 | |
| ENGL 2110 Introduction to Literature | 3 | | CIS 3800 Enterprise Operating Systems (CompTIA Linux+) | 3 | |
| HIST (from 1010, 1020, 2010, 2020) Early World Civilization, Modern World Civilization, History of the United States | 3 | | CIS 3980 Introduction to Information Security (CompTIA Security+) | 3 | |
| COMM1010 Oral Communication | 3 | | 2 Classes from CIS 3410, 4040, 4080, 4220, or 4930 | 6 | |
| | | | 1 CIS Elective from any CIS class except CIS 1060 and CIS 2000 and CIS 3100; | 3 | |
| FINE ARTS | | | | | |
| FA 1040 Exploring the Arts | 3 | | Total CIS | 45 | |
| SOCIAL/BEHAVIORAL SCIENCES | | | Business Core | | |
| ECON 2000 Principles of Macroeconomics | 3 | | ACCT 2000 Financial Accounting | 3 | |
| PSYC 1010 General Psychology | 3 | | ACCT 2010 Managerial Accounting | 3 | |
| Total University Core Hours | 39 | | BUAD 2120 Basic Business Statistics | 3 | |
| | | | BUAD2200 Business Reports & Communication | 3 | |
| Additional Support Courses | | | BUAD 3270 International Business | 3 | |
| CIS 1090 (Intro. to Computer Applications) | 3 | | BLAW 3280 Cyber Business Law (preferred) or BLAW 2250 Business Law I | 3 | |
| ECON 2010 Principles of Microeconomics | 3 | | BUAD 4900 Business Senior Seminar | 2 | |
| UNIV 1000 The University Experience | 1 | | FIN 3090 Business Finance | 3 | |
| | | | MGT 3220 Organization and Management | 3 | |
| Total Additional Support Hours | 7 | | MKTG 3230 Principles of Marketing | 3 | |
| | | | Total Business Core | 29 | |
| | | | TOTAL DEGREE HOURS | 120 | |

COMPUTER INFORMATION SYSTEMS

Information Systems Mgt. Concentration

Effective Fall 2024

| University Core | Hrs | Grade | CIS Curriculum | Hrs | Grade |
|--|-----------|-------|--|------------|-------|
| ENGLISH | | | CIS 1015 Intro. to CIS | 3 | |
| ENGL 1010 Composition and Rhetoric I | 3 | | CIS 1030 Intro. to Software Dev. (Java I) | 3 | |
| ENGL 1020 Composition and Rhetoric II | 3 | | CIS 2980 Database Systems | 3 | |
| MATHEMATICS | | | CIS 3020 Web Page Development | 3 | |
| MATH 1020 College Algebra | 3 | | CIS 3900 Systems Analysis and Development | 3 | |
| MATH 1060 Finite Mathematics | 3 | | CIS 4600 Advanced Systems Development | 3 | |
| SCIENCES | | | MIS Concentration: | | |
| SCI 1010 Basic Concepts of Physical Science I | 3 | | 1 From CIS 3300 or CIS 4000 or CIS 4910 | 3 | |
| SCI 1020 Basic Concepts of Biological Science I | 3 | | 1 From CIS 4020 or CIS 4070 or CIS 4900 | 3 | |
| SCI 2010 or 2020 Basic Concepts of Physical Science II/Biological Science II | 3 | | 1 From CIS 3970, or BUAD 3120, or MGT 4500, or MGT 3580 | 3 | |
| HUMANITIES | | | FIN 4220 – Financial Policies and Practices | 3 | |
| ENGL 2110 Introduction to Literature | 3 | | CIS 4930 -Information Assurance | 3 | |
| HIST (from 1010, 1020, 2010, 2020) Early World Civilization, Modern World Civilization, History of the United States | 3 | | CIS 4840 – Strategic Information Systems Project Management | 3 | |
| COMM1010 Oral Communication | 3 | | CIS 4850 – Applied Project Management | 3 | |
| | | | 2 CIS Electives from any CIS class except CIS 1060 and CIS 2000 | 6 | |
| FINE ARTS | | | Total CIS | 45 | |
| FA 1040 Exploring the Arts | 3 | | Business Core | | |
| SOCIAL/BEHAVIORAL SCIENCES | | | ACCT 2000 Financial Accounting | 3 | |
| ECON 2000 Principles of Macroeconomics | 3 | | ACCT 2010 Managerial Accounting | 3 | |
| PSYC 1010 General Psychology | 3 | | BUAD 2120 Basic Business Statistics | 3 | |
| Total University Core Hours | 39 | | BUAD2200 Business Reports & Communication | 3 | |
| | | | BUAD 3270 International Business | 3 | |
| Additional Support Courses | | | BLAW 3280 Cyber Business Law (preferred) or BLAW 2250 Business Law I | 3 | |
| CIS 1090 (Intro. to Computer Applications) | 3 | | BUAD 4900 Business Senior Seminar | 2 | |
| ECON 2010 Principles of Microeconomics | 3 | | FIN 3090 Business Finance | 3 | |
| UNIV 1000 The University Exp. | 1 | | MGT 3220 Organization and Management | 3 | |
| | | | MKTG 3230 Principles of Marketing | 3 | |
| Total Additional Support Hours | 7 | | Total Business Core | 29 | |
| | | | TOTAL DEGREE HOURS | 120 | |