


Degree Requirements: Information Technology (414)-Bachelor of Science

School of Arts and Sciences

Department of Computing and Mathematical Sciences

Catalog Year: 2023-2025

| General Education Requirements (44-46 hours) | | |
|---|---|---|
| Communication (9 hours) | American History (3 hours) | Behavioral Science (3 hours) |
| ENGL 1113; ENGL 1213; COMM 1113 | HIST 1483 or 1493 | FAMS 1123, PSY 1113, SOCI 1113 |
| Mathematics (3-5 hours) | Political Science (3 hours) | Economics (3 hours) |
| MATH 1513, 1613, 2215, 2713 | PS 1113 | AGRC 2013, ECON 2003, ECON 2013, GEOG 3023 |
| Science* (8-9 hours) | Humanities (6 hours) | Health and Wellness* (4 hours) |
| Biological Science (4 hours) Physical Science (4-5 hours) <i>*One course must be a lab science.</i> | Diversity (3 hours) Aesthetics (3 hours) <i>*One course from each category.</i> | SES 2003, 2013, 2023, MSL 1112, PE 1--1, 2--1, 2--2 <i>*Requirement waived for some students.</i> |
| General Education Non-PE Electives (To total at least 44 hours, if needed)*. | | |
| Gen ed electives must be selected from the list of approved general education courses, (MSL- and PE-prefixes excluded). | | |
| University Requirements | | |
| UNIV 1001 or 1113 (1-3 hours) | Computer Literacy (IT 1013) | Capstone Experience (IT 4444) |
| Major-Minor Requirements (63 hours) | | |
| Core Courses (42 hours) | | |
| IAS 2233 Intro Info Assur/Security (FA, SP) | IT 3013 Technical Communications (FA) | |
| IT 1063 Intro to Networking (FA, SP) | IT 3603 Human Comp Interf Dev (FA, SP) | |
| IT 2033 Fund Sys Analysis/Design (FA) | IT 4013 Research Topics in IT (SP) | |
| IT 1414/L Prog I/Lab (SP) & IT 2414/L Prog II/Lab (FA) OR | IT 4343 Legal/Ethical Issues IT Pro (SP) | |
| CS 1314/L Comp Sci I/Lab (FA, SP) & CS 1514/L Comp Sci | IT 4443 IT Capstone (SP) | |
| II/Lab (FA) | MIS 3033 Database Design & Management (FA) | |
| IT 2064/L Internetworking Technology/Lab (FA, SP) | STAT 2013 Intro Probability & Stats I (SP) | |
| <i>FA=Fall; SP=Spring; SU=Summer</i> | | |
| Option (15 hours) | | |
| Cyber Security and Information Assurance (15 hours) | Management Information Systems (15 hours) | Technology (15 hours) |
| Choose from: IT 1733 Linux/Unix/Windows IAS 2333 Computer Forensics IAS 3063 Info Assurance Netwrk Fund IAS 3233 E-Commerce & Web Security IAS 3263 Security Architecture & Design IAS 4063 Current Topics in Info Assurance & Network Security | Choose from: MIS 2113 Fund MIS Tools & Skills MIS 3013 Management Info Systems MIS 3183 Structured Query Lang MIS 4023 Data Analytics MIS 4033 Electronic Commerce MIS 4433 Project Management | Choose from: 15 hours of IT, MIS, IAS, CS-prefix, or Advisor approved courses |
| Guided Electives (6 hours) | | |
| Choose from Upper Division courses in: CS, IAS, IT, or (MIS-prefixes. *See website for list. | | |
| General Electives to Complete 124 hours | | |
| Graduation Requirements | | |
| Department Requirements Minimum 124 Total Credit Hours Minimum 40 Upper Division Credit Hours Minimum 55 Liberal Arts & Science Credit Hours Minimum 30 Credit Hours in Residence at CU | Minimum 60 Credit Hours at a 4-Year Institution Minimum ½ of Major Upper Div Hours Completed at CU 15 of last 30 Credit Hours or ½ of Major Completed at CU Retention GPA 2.0; Cameron GPA 2.0 Complete Graduation Application Online | |