Degree Requirements: Information Technology (414)–Bachelor of Science
School of Arts and Sciences
Department of Computing and Mathematical Sciences
Catalog Year: 2024-2025

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) *One course must be a lab science.	Diversity (3 hours) Aesthetics (3 hours) *One course from each category.	SES 2003, 2013, 2023, MSL 1112, PE 1--1, 2--1, 2--2 *Requirement waived for some students.

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 (1 hour)	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** CS 1314/L Comp Sci I/Lab (FA, SP) & CS 1514/L Comp Sci II/Lab (FA)	IT 4343 Legal/Ethical Issues IT Pro (SP) IT 4443 IT Capstone (SP) MIS 3033 Database Design & Management (FA)
IT 2064/L Internetworking Technology/Lab (FA, SP)	STAT 2013 Intro Probability & Stats I (SP)
FA=Fall; SP=Spring; SU=Summer	

Option (15 hours)		
Cyber Security and Information Assurance (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	**Management Information Systems (15 hours)** 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	**Technology 15 hours)** 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