Degree Requirements: Information Technology (414)–Bachelor of Science
School of Graduate and Professional Studies
Department of Computing and Technology
Catalog Year: 2021-2023

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 or 1113 (1-3 hours)	Computer Literacy (IT 1013)	Capstone Experience (IT 4443)

Major-Minor Requirements (63 hours)

Core Courses (42 hours)

IAS 2233 Intro Info Assur/Security (FA, SP)
IT 1063 Intro to Networking (FA, SP)
IT 2033 Fund Sys Analysis/Design (FA)
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 2064/L Internetworking Technology/Lab (FA, SP)
IT 3013 Technical Communications (FA)
IT 3603 Human Comp Interf Dev (FA, SP)
IT 4013 Research Topics in IT (SP)
IT 4343 Legal/Ethical Issues IT Pro (SP)
IT 4443 IT Capstone (SP)
MIS 3033 Database Design & Management (FA)
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:
CS 1733 Operating System Technologies
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 Information Technology (IT), Management Information Systems (MIS), Cyber Security and Information Assurance (IAS), Computer Science (CS), or Advisor approved courses

Guided Electives (6 hours)

Choose from Upper Division courses in: Computer Science (CS), Cyber Security & Info Assurance (IAS), or Management Info Systems (MIS). *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 Cameron
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 CURetention GPA 2.0; Cameron GPA 2.0
Complete Graduation Application Online