



**Degree Requirements: Information Technology (414)–Bachelor of Science**

School of Graduate and Professional Studies

Department of Computing and Technology

Catalog Year: 2019-2021

<b>General Education Requirements (44–46 hours)</b>		
<b>Communication (9 hours)</b>	<b>American History (3 hours)</b>	<b>Behavioral Science (3 hours)</b>
ENGL 1113; ENGL 1213; COMM 1113	HIST 1483 or 1493	FAMS 1123, PSY 1113, SOCI 1113
<b>Mathematics (3–5 hours)</b>	<b>Political Science (3 hours)</b>	<b>Economics (3 hours)</b>
MATH 1513, 1613, 2215 or 2713	PS 1113	AGRC 2013, ECON 2003, ECON 2013, GEOG 3023
<b>Science* (8–9 hours)</b>	<b>Humanities (6 hours)</b>	<b>Health and Wellness* (4 hours)</b>
Biological Science (4 hours) Physical Science (4–5 hours) *One course must be a lab science; see Gen Ed course list.	Diversity (3 hours) Aesthetics (3 hours) *One course must be taken from each category; see Gen Ed course list.	SES 2003, 2013, 2023, MSL 1112, PE 1--1, 2--1, 2--2 *Requirement waived for some students; see Gen Ed course list.
<b>General Education Electives (To total at least 44 hours, if needed)*.</b>		
*Must be selected from the list of approved <a href="#">general education</a> courses (MSL and PE prefixes excluded).		
<b>University Requirements</b>		
UNIV 1001 or 1113–1-3 hours	Computer Literacy–IT 1013	Capstone Experience–IT 4444
<b>Major-Minor Requirements (63–64 hours)</b>		
<b>Core Courses (42 hours)</b>		
CIS 2033 Fund Sys Analysis/Design (FA)      IT 3603 Human Comp Interf Dev (FA) IAS 2233 Intro Info Assur/Security (SP)      IT 4013 Research Topics in IT (SP) IT 1063 Intro to Networking (FA)      IT 4342 Legal/Ethical Issues IT Pro (SP) IT 1414/L Prog I/Lab (SP) & IT 2414/L Prog II/Lab (FA) <b>OR</b> IT 4444 IT Capstone (SP) CS 1314/L Comp Sci I/Lab (SP) & CS 1514/L Comp Sci II/Lab (FA)      MIS 3033 Database Design & Mgmt (FA) (FA)      STAT 2013 Intro Prob & Stats I (SP) IT 2064/L Intrntwrkng Tech/Lab (FA)      TECH 3013 Technical Comm (FA)		
<i>FA=Fall; SP=Spring; SU=Summer</i>		
<b>Option (15-16 hours)</b>		
<b>Computer Info Systems (16 hours)</b>	<b>Mgmt Info Systems (15 hours)</b>	<b>Cyber Security/Info Assurance (15 hours)</b>
CIS 3033 Managing the IT Center CIS 3064/L Cobol Prog/Lab CIS 3183 Structured Query Language MM 3023 Web Publishing & Graphics Upper Division Course (Advisor Approved) (3 hours)	CIS 3183 Structured Query Lang MIS 2113 Fund MIS Tools/Skills MIS 3013 Mgmnt Info Systems MIS 4033 Electronic Commerce MIS 4433 Project Management	CS 1733 Operating System Tech IAS 2333 Computer Forensics IAS 3063 Info Assurance Ntwrkng Fund IAS 3233 E-Commerce & Web Security IAS 3263 Security Architecture & Design IAS 4063 Curr Topics: Info Assur/Ntwrk Sec
<b>Guided Electives (6 hours)</b>		
Choose from Upper Division courses in: Computer Information Systems (CIS), Computer Science (CS) Cyber Security & Info Assurance (IAS), Information Technology (IT), Management Info Systems (MIS), Multimedia (MM), Technology (TECH) (Advisor Approved) *See undergraduate catalog for list.		
<b>General Electives (to Complete 124 hours)</b>		
Department Requirements	Minimum 60 Credit Hours at a 4-Year Institution	
Minimum 124 Total Credit Hours	Minimum ½ of Major Upper Division Hours Completed at CU	
Minimum 40 Upper Division Credit Hours	15 of last 30 Credit Hours or ½ of Major Completed at CU	
Minimum 55 Liberal Arts & Science Credit Hours	Retention GPA 2.0; Cameron GPA 2.0	
Minimum 30 Credit Hours in Residence at Cameron	Complete Graduation Application Online	