



**Degree Plan: Information Technology – Bachelor of Science**

[ST-BS-INTE]

School of Graduate and Professional Studies

Department of Computing and Technology

Catalog Year: 2016-2017

**General Education Requirements – 44 –46 hours**

<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 2215 or MATH 2713	PS 1113	AGRC 1334, ECON 2013, GEOG 3023, CRM 3603
<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 undergraduate catalog for list.	Diversity (3 hours) Aesthetics (3 hours) *One course must be taken from each category; see undergraduate catalog for list.	HLTH 1012, 1053, 1063, any course from the following: PE 1--1, 2--1, 2--2 *Requirement waived for some students; see undergraduate catalog for list.

**General Education Non-PE Electives (To total at least 44 hours, if needed)\*.**

General Education Electives must be selected from the list of approved Gen Ed courses, exclusive of those with the PE prefix. For a full list of General Education courses, see: [http://www.cameron.edu/catalog/general\\_ed.html](http://www.cameron.edu/catalog/general_ed.html)

**University Requirements**

UNIV 1001 or 1113 – 1-3 hours	Computer Literacy – CIS 1013	Capstone Experience – IT 4444
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**Major-Minor Requirements – 63-64 hours**

<b>Core Courses –42 hours</b>	<b>Option – 15-16 hours</b>	<b>Guided Electives – 6 hours</b>
CIS 2033 Fund of Syst Analysis & Design IAS 2233 Intro to Info Assur/Security IT 1063 Intro to Networking IT 1414/L Programming I & Lab <b>and</b> IT 2414/L Programming II & Lab <b>OR</b> CS 1314/L Computer Science I & Lab <b>and</b> CS 1514 Computer Science II & Lab IT 2064/L Internetworking Technologies & Lab IT 3603 Human Comp Interface Develop IT 4013 Research Topics in IT IT 4342 Legal/Ethical Issues for IT Pro IT 4444 IT Capstone MIS 3033 Database Design & Management STAT 2013 Intro Probability & Statistics I TECH 3013 Technical Communications	Choose one of the following: <b>Computer Information Systems</b> <b>Management Information Systems</b> <b>Cyber Security and Info Assurance</b> (See next page for course list)	Choose from Upper Division courses in: Computer Information Systems (CIS), Computer Science (CS) Cyber Security and Information Assurance (IAS), Information Technology (IT), Management Information Systems (MIS), Multimedia (MM), Technology (TECH) (Advisor Approved) *See undergraduate catalog for list.

**Minor Requirements – 18 hours**

For a full list of available minors, see: <http://www.cameron.edu/catalog/minors.html>

**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 Division 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 at Registrar’s Office
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**Concentration or Option -15-16 hours**

**Computer Information Systems Option (16 hours)**

CIS 3033 Managing the Info Technology Center  
CIS 3064 Cobol Programming  
CIS 3183 Structured Query Language  
MM 3023 Web Publishing & Graphics  
3 credit hours of Upper Division Course (Advisor Approved)

**Management Information Systems Option (15 hours)**

CIS 3183 Structured Query Language  
MIS 2113 Fundamental MIS Tools & Skills  
MIS 3013 Management Information Systems  
MIS 4033 Electronic Commerce  
MIS 4433 Project Management

**Cyber Security and Information Assurance Option (15 hours)**

Choose from the following:  
CS 1733 Operating System Technologies  
IAS 2333 Computer Forensics  
IAS 3063 Information Assurance Networking Fundamentals  
IAS 3233 E-Commerce & Web Security  
IAS 3263 Security Architecture & Design  
IAS 4063 Current Topics in Info Assurance & Network Security