



**Degree Requirements: Computer Science (415)–Bachelor of Science**  
 School of Graduate and Professional Studies  
 Department of Computing and Technology  
 Catalog Year: 2021-2023

<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 or 2215	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.	Diversity (3 hours) Aesthetics (3 hours) *One course taken from each category.	SES 2003, 2013, 2023, MSL 1112, PE 1--1, 2--1, 2--2 *Requirement waived for some students..
<b>General Education Non-PE Electives (To total at least 44 hours, if needed)*.</b>		
Gen ed electives 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, MIS 2113)	Capstone Experience (CS 4233)
<b>Major Requirements (68 hours)</b>		
<b>Required Courses (42 hours)</b>	<b>Additional Requirements (26 hours)</b>	
CS 1314/L Computer Sci I & Lab (FA,SP) CS 1514/L Computer Sci II & Lab (FA) CS 1523 Discrete Math (FA) CS 2413 Data Structures (SP) CS 2513 Comp Organ & Architect (SP) CS 3013 Network Programming (FA) CS 3183 Database Design & Mgmt (SP) CS 3513 Operating Systems (FA) CS 3713 Algorithm Analysis (FA) CS 4204/L Software Engin & Lab (FA) CS 4233 Capstone Project (SP) IAS 2233 Intro Info Assur/Sec (FA, SP) IT 1063 Intro Networking (FA, SP) <i>FA=Fall; SP=Spring; SU=Summer</i>	<b>Electives (13 hours)</b> Choose from the following: CS 2333 Web Systems Technologies CS 3001-3 Seminar in Computer Sci CS 3813 Parallel Computing CS 3573 Computer Graphics CS 4001-3 Seminar in Computer Sci CS 4223 Prog Lang & Compilers IAS- prefix courses IT 2064/L Internetworking Tech & Lab IT 3603 Human Comp Interface Devel IT 4342 Legal/Ethical Issues for IT Pro	<b>Mathematics (13 hours)</b> (Some Students may also need to take some or all of the following courses as prerequisites: MATH 0013, 0103, 0213, 1513, or 1613.) MATH 1613 Plane Trigonometry MATH 2215 Calc & Analytic Geom I MATH 2235 Calc & Analytic Geom II MATH 2613 Found of Mathematics MATH 3333 College Geometry MATH 4113 Intro Operations Research MATH 4423 Number Theory MATH 4433 Matrix Algebra STAT 2013 Intro Prob & Stats I
<b>General Electives (To Complete 124 hours)</b>		
<b>Graduation Requirements</b>		
Department Requirements Minimum 124 Total Credit Hours Minimum 40 Upper Division Credit Hours Minimum 55 Liberal Arts & Science CreditHours 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 CU Retention GPA 2.0; Cameron GPA 2.0 Complete Graduation Application Online	