


Degree Requirements: Computer Science (415)–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 or 2215	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 taken 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, MIS 2113)	Capstone Experience (CS 4233)
Major Requirements (68 hours)		
Required Courses (42 hours)	Additional Requirements (26 hours)	
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>	Electives (13 hours) Choose from the following: CS 2333 Web Systems Technologies IAS 2333 Computer Forensics IT 2064/L Internetworking Tech/Lab Upper Division courses with CS, IAS, IT, MATH, MIS, or STAT prefixes (see website for list)	Mathematics (13 hours) (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 STAT 2013 Intro Prob & Stats I Upper Division courses with MATH or STAT prefix (see website for list)
General Elective (To Complete 124 hours)		
Graduation Requirements		
Department Requirements	Minimum 60 Credit Hours at a 4-Year Institution	
Minimum 124 Total Credit Hours	Minimum ½ of Major Upper Div 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 CU	Complete Graduation Application Online	