DEGREE REQUIREMENTS: COMPUTER SCIENCE (415)–BACHELOR OF SCIENCE
College of Arts and Sciences
Department of Computing and Mathematical Sciences
Catalog Year: 2026-2027

GENERAL EDUCATION REQUIREMENTS (40 HOURS)		
Communication (9 hours)	**American History (3 hours)**	**Behavioral Science (3 hours)**
ENGL 1113 and 1213; COMM 1113	HIST 1483 or 1493	FAMS 1123, PSY 1113, SOCI 1113
Mathematics (3 hours)	**Political Science (3 hours)**	**Economics (3 hours)**
MATH 1513 or 2215	PS 1113	AGRC 2013, ECON 2003 or 2013, GEOG 3023
Science* (7 hours)	**Humanities (6 hours)**	**Health and Wellness** (3 hours)**
Biological Science (3-4 hours) Physical Science (3-5 hours) *One course must be a lab science.	Gen Ed Humanities List	SES 2003, 2013, 2023, MSL 1112, PE 1--1, 2--1, 2--2 **Waived for some students.

UNIVERSITY REQUIREMENTS

University Success (1 hour): UNIV 1001
Computer Literacy (3 hours): IT 1013 or MIS 2113
Capstone Experience (4 hours): CS 4233

MAJOR REQUIREMENTS (68 HOURS)

Required Courses (42 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)

FA=Fall; SP=Spring; SU=Summer

Additional Requirements (26 hours)

Electives (13 hours)
Choose from the following:
CS 2333 Web Systems Technologies
IAS 2333 Computer Forensics
IT 2064/L Internetworking Tech/Lab
Upper Division CS, IAS, IT, MIS, MATH, or STAT

Mathematics (13 hours)
MATH 1613 Plane Trigonometry
MATH 2215 Calc & Analytic Geom I
MATH 2235 Calc & Analytic Geom II
STAT 2013 Intro Prob & Stats I
Upper Division MATH or STAT

GENERAL ELECTIVES (TO COMPLETE 120 HOURS)

GRADUATION REQUIREMENTS

Department Requirements
Min. 120 Total Cr. Hrs.
Min. 40 Upper Division Cr. Hrs.
Min. 55 Liberal Arts & Science Cr. Hrs.
Min. 30 Cr. Hrs. in Residence at CU
Min. 60 Cr. Hrs. at a 4-Year Institution
Min. ½ of Major Upper Div Hrs Completed at CU
15 of last 30 Cr. Hrs. or ½ of Major Completed at CU
Retention GPA 2.0; Cameron GPA 2.0
Complete Graduation Application Online