



**General Education Requirements - 44 -46 hours**

| Communication - 9 hours   | American History - 3 hours  | Behavioral Science - 3 hours   |
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| ENGL 1113;<br>ENGL 1213;<br>COMM 1113   | HIST 1483 or 1493   | FAMS 1123, PSY 1113,<br>SOCI 1113, HON 2133  |
| Mathematics - 3-5 hours   | Political Science - 3 hours   | Economics - 3 hours  |
| MATH 1413, 1513, 1613,<br>2215, 2713, STAT 1513   | PS 1113   | AGRC 1334, ECON 2013,<br>GEOG 3023, CRM 3603   |
| Science* - 8-9 hours  | Humanities - 6 hours  | Health and Wellness* - 4 hours   |
| Biological Science (4 hours)<br>Physical Science (4-5 hours)<br><small>*One course must be a lab science; see undergraduate catalog for list.</small> | Diversity (3 hours)<br>Aesthetics (3 hours)<br><small>*One course must be taken from each category; see undergraduate catalog for list.</small> | HLTH 1012, 1053, 1063, any course from the following: PE 1--1, 2--1, 2--2<br><small>*Requirement waived for some students; see undergraduate catalog for list.</small> |

**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**

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| UNIV 1001 or 1113 - 1-3 hours | Computer Literacy - CIS 1013 or MIS 2113 | Capstone Experience - CS 4233 |
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**Major Requirements - 68 hours**

| Required Courses -42 hours   | Additional Requirements - 26 hours   |  |
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| CS 1314/L Computer Science I & Lab<br>CS 1514/L Computer Science II & Lab<br>CS 1523 Discrete Math<br>CS 2413 Data Structures<br>CS 2513 Computer Organization & Architecture<br>CS 3013 Network Programming<br>CS 3183 Database Design & Management<br>CS 3513 Operating Systems<br>CS 3713 Algorithm Analysis<br>CS 4204/L Software Engineering & Lab<br>CS 4233 Capstone Project<br>IAS 2233 Intro to Information Assurance/Security<br>IT 1063 Intro to Networking | <b>Electives (13 hours)</b><br>Choose from the following:<br>CS 2333 Web Systems Technologies<br>CS 3001-3 Seminar in Computer Science<br>CS 3813 Parallel Computing<br>CS 3573 Computer Graphics<br>CS 4001-3 Seminar in Computer Science<br>CS 4223 Programming Languages & Compilers<br>IAS- prefix courses<br>IT 2064/L Internetworking Technologies & Lab<br>IT 3603 Human Computer Interface Development<br>IT 4342 Legal and Ethical Issues for the IT Professional | <b>Mathematics (13 hours)</b><br>(Some Students may also need to take some or all of the following courses as prerequisites: MATH 0013 MATH 0103, MATH 0213, MATH 1513, MATH 1613.)<br>MATH 2215 Calculus & Analytic Geometry I<br>MATH 2235 Calculus & Analytic Geometry II<br>MATH 2613 Foundations of Mathematics<br>MATH 3333 College Geometry<br>MATH 4113 Introduction to Operations Research<br>MATH 4423 Number Theory<br>MATH 4433 Matrix Algebra<br>STAT 2013 Intro Probability & Statistics I |

**General Electives - to Complete 124 hours**

**Graduation Requirements**

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| Department Requirements<br>Minimum 124 Total Credit Hours<br>Minimum 40 Upper Division Credit Hours<br>Minimum 55 Liberal Arts & Science Credit Hours<br>Minimum 30 Credit Hours in Residence at Cameron<br>Minimum 60 Credit Hours at a 4-Year Institution | Minimum ½ of Major Upper Division Hours Completed at CU<br>15 of last 30 Credit Hours or ½ of Major Completed at CU<br>Retention GPA 2.0<br>Cameron GPA 2.0<br>Complete Graduation Application at Registrar's Office |
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