



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, 1613, 2215, 2713, or STAT 1513	PS 1113	AGRC 1334, ECON 2013, GEOG 3023, CRM 3603
Science* – 8-9 hours	Humanities* – 6 hours	Health and Wellness* – 4 hours
Biological Science: BIOL 1364/L Physical Science: CHEM 1361/1364	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		
University Requirements		
UNIV 1001 or 1113 – 1-3 hours	Computer Literacy – MIS 2113	Capstone Experience – BIOL 4901
Major Requirements – 46 hours		
Required Core Courses – 26 hours	Concentration – 20 – 45 hours	
BIOL 1364/L Principles of Biology I & Lab BIOL 1474/L Principles of Biology II & Lab BIOL 2124/L Intro to Microbiology & Lab BIOL 2144/L Botany & Lab (<i>Conc A & B only</i>) BIOL 2154/L Zoology & Lab (<i>Conc A & B only</i>) BIOL 2881 Biology Seminar BIOL 3014/L Principles of Genetics & Lab BIOL 4901 Biology Capstone	Choose one of the following: A. Cell and Molecular Concentration B. Organismal Biology Concentration C. Medical Laboratory Science (See next page for course list)	
Minor Requirements – 18 hours (Conc A & B Only)		
For a full list of available minors, see: http://www.cameron.edu/catalog/minors.html		
Additional Requirements – 16 hours		
MATH 1613 Plane Trigonometry (or higher) (<i>Conc A & B only</i>) PHYS 1115/L Physics I & Lab or PHYS 2015/L Physics I for Science and Engineering Majors I & Lab (<i>Conc A & B only</i>) PHYS 1215/L Physics II or PHYS 2025/L Physics II for Science and Engineering Majors I & Lab (<i>Conc A & B only</i>) MIS 2113 Fundamental MIS Tools & Skills CHEM 4403 Biochemistry I (<i>Conc A & C only</i>) CHEM 4413 Biochemistry II (<i>Conc A only; Recommended for Conc C</i>)		
General Electives – to Complete 124 hours		
Graduation Requirements		
Department Requirements	Minimum ½ of Major Upper Division Hours Completed at CU	
Minimum 124 Total Credit Hours	15 of last 30 Credit Hours or ½ of Major Completed at CU	
Minimum 40 Upper Division Credit Hours	Retention GPA 2.0	
Minimum 40 Liberal Arts & Science Credit Hours	Cameron GPA 2.0	
Minimum 30 Credit Hours in Residence at Cameron	Complete Graduation Application at Registrar’s Office	
Minimum 60 Credit Hours at a 4-Year Institution		

Concentration - 20 - 45 hours

A. Cell and Molecular Concentration

Required Courses (8 hours)

BIOL 3174/L Molecular Cell Biology & Lab
BIOL 4174/L Cell Structure & Function & Lab

Electives (12 hours)

Category A (Minimum 2 courses)

BIOL 2134/L Human Physiology & Lab **OR**
BIOL 4004/L Physiology & Lab
BIOL 3093 Immunology
BIOL 3124/L Histology & Lab
BIOL 4114/L Advanced Microbiology & Lab

Category B (Minimum 1 course)

BIOL 2034/L Human Anatomy & Lab **OR**
BIOL 3104/L Comp Vert Anatomy & Lab
BIOL 3034/L Entomology & Lab
BIOL 3043 Evolution
BIOL 4121-4* Special Studies
BIOL 4153 Biometry

*(Maximum 4 hours of upper level credit)

C. Medical Laboratory Science Concentration

Required Courses (45 hours)

BIOL 3174/L Molecular Cell Biology & Lab
BIOL 4174/L Cell Structure & Function & Lab
BIOL 2134/L Human Physiology & Lab **OR**
BIOL 4004/L Physiology & Lab
BIOL 3093 Immunology
MLS 4117 Clinical Microbiology*
MLS 4125 Clinical Chemistry*
MLS 4236 Clinical Hematology*
MLS 4246 Clinical Immunology*
MLS 4325 Clinical Chemistry II*
MLS 4351 Topics in Medical Laboratory Science*

*Acceptance into an approved Oklahoma Consortium of Clinical Laboratory Science Affiliates (OCCLSA) clinical training program and departmental permission is required.

B. Organismal Biology Concentration

Required Courses (7 hours)

BIOL 3043 Evolution
BIOL 3064/L Ecology & Lab

Electives (13 hours)

Category A (Minimum 1 course)

BIOL 3054/L Plant Taxonomy & Lab
BIOL 3074/L Natural History of the Vertebrates & Lab
BIOL 3084/L Ornithology & Lab
BIOL 3114/L Mammalogy & Lab
BIOL 4054/L Vascular Plant Morphology & Lab
BIOL 4064/L Advanced Ecology & Lab
BIOL 4153 Biometry
BIOL 4121-4* Special Studies
*(Maximum 4 hours of upper level credit)

Category B (Minimum 1 course)

BIOL 2034/L Human Anatomy & Lab
BIOL 3093 Immunology
BIOL 3104/L Comp. Vertebrate Anatomy & Lab
BIOL 3174/L Molecular Cell Biology & Lab
BIOL 4004/L Physiology & Lab
BIOL 4114/L Advanced Microbiology & Lab
BIOL 4163 Principles of Plant Physiology