Biology

**BIOL 102 Human Genetics**  3 Units
Prerequisite: MATH 030.  
Strongly recommended: ENGL 099 or READ 099 if required by English level.

**BIOL 104 Biology: Contemporary Topics**  3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English level or if required by English level.

**BIOL 105 General Biology**  4 Units
Strongly recommended: ENGL 099 or READ 099 if required by English level or if required by English level.  Also, MATH 030, and high school biology or chemistry.

**BIOL 124 Principles of Biology I**  5 Units
Prerequisite: MATH 150.  
A principles of biology course designed for biology majors and pre-med.  Also, MATH 030, and high school biology or chemistry.

**BIOL 125 Principles of Biology II**  5 Units
Prerequisite: MATH 150.  
A principles of biology course designed for biology majors and pre-med.  Also, MATH 030, and high school biology or chemistry.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
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<tr>
<td>BIOL 200</td>
<td>Human Anatomy</td>
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<td>Goodman, R.</td>
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<td>01:05 PM-02:30 PM</td>
<td>LH 102</td>
<td>08/25-12/15</td>
<td>20061</td>
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<td>Human Physiology</td>
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**Note:** Course Dates indicate Beginning and Ending Dates. M=Monday, T=Tuesday, W=Wednesday, R=Thursday, F=Friday, S=Saturaday.

BIOL 145 Environmental Science
- 3 Units
- Strongly recommended: BIOL 104 or BIOL 105. Also, ENGL 099 or READ 099 if required by English placement or if required by English level.
- A lecture course exploring contemporary global environmental concerns. Basic concepts covered will include the Earth's life support systems, population dynamics, environmental pollution, food production, and natural resource utilization. Emphasis will be placed on recognizing global environmental problems and exploring various solutions for them. 54 lecture hours. CSU UC

BIOL 200 Human Anatomy
- 4 Units
- Prerequisite: BIOL 105 or BIOL 124.
- Biology 200 is a lecture/laboratory course in human anatomy focusing on the structures and organs of the human body. Students will be required to learn and understand the structures from the molecular to gross levels, using the microscope, standard anatomical (plastic) models, and preserved specimens (sheep heart, sheep brain, and cat). Required of pre-nursing students. 54 lecture hours, 54 lab hours. CSU UC

BIOL 201 Human Physiology
- 4 Units
- Prerequisites: BIOL 200 and CHEM 103 or CHEM 104 or CHEM 110 or CHEM 111.
- An advanced course in human physiology emphasizing muscle, nerve, circulation, respiration, excretion, digestion, and reproduction systems. Required of pre-nursing students. 54 lecture hours, 54 lab hours. CSU UC

BIOL 220 Microbiology
- 5 Units
- Prerequisite: BIOL 104 or BIOL 105 or BIOL 124 and CHEM 103 or CHEM 104 or CHEM 110 or CHEM 111 or CHEM 112.
- An introduction to the biology of microorganisms including bacteria, viruses, fungi, and protozoa. Metabolism, genetics, culture methods, identification, and control of common microbes are considered. Emphasis is placed on the virulence mechanisms and control of human pathogens and on the principles of immunology and host defense. Laboratory work includes techniques common to the control, culture, and identification of microbes. Required of pre-nursing students and medical technologists. 54 lecture hours, 108 lab hours. CSU UC