

# BIO-MEDICAL SCIENCES, DEPARTMENT AWARD (D)

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## Overview

The Bio-Medical Sciences Department Award recognizes achievement by students interested in careers in the allied health fields, physical/health education, recreation and sports technology. Core courses consist of Human Anatomy, Human Physiology and Medical Microbiology.

In addition to the core curriculum, students may select 18 units of electives from an approved listing of courses in biology, anthropology, art, chemistry, physical/health education, recreation and human biology.

The courses are selected in consultation with the Faculty Adviser for Bio-Medical Sciences. The Faculty Adviser will then submit this program of study to the Biological Sciences Department for review and approval.

To qualify for the Bio-Medical sciences Department Award, students must complete each of the courses in the approved program of study with a grade of "C" or better, It is important that the student pursuing a Bio-Medical Sciences Department Award consult with the Faculty Adviser early for program approval.

## Requirements

Complete all department requirements with a "C" or better in each course.

| Code   | Title                | Units        |
|--|----------------------|--------------|
| <b>Core Courses</b>  |                      |              |
| BMS 107  | Human Anatomy        | 4            |
| BMS 108  | Human Physiology     | 4            |
| BMS 127  | Medical Microbiology | 4            |
| <b>Electives</b>   |                      |              |
| Complete 18 units of Bio-Medical Sciences electives from an approved listing of courses in biology, anthropology, art, chemistry, physical/health education, recreation and human biology. Consult with the department to select appropriate courses to meet the elective requirement. |                      | 18           |
| <b>Total Units</b>   |                      | <b>30.00</b> |

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## Learning Outcomes

1. Integrate perspectives, from molecular to organismal, in the development of a comprehensive view of human structure and function.
2. Understand the molecular, cellular, and organismic bases of health and homeostatic imbalances.
3. Employ understanding of modern biomedical science to design, implement, and communicate the results of research endeavors.
4. Apply understanding of the scientific method in evaluation of the validity of design and conclusions drawn from biomedical research.
5. Employ modern methods of information technology to obtain and communicate data, text, and images.
6. Incorporate appropriate biomedical approaches to enhance the health and well being for human individuals and groups.