



A.S. DEGREE TO B.S. DEGREE

Purpose: This curriculum is designed for students who plan to complete an Associate in Science Degree in Science at Murray State College and then transfer to Southeastern Oklahoma State University to complete a Bachelor of Science in Biology Degree. The Associate in Science Degree fulfills the lower division University studies requirement. Students desiring to enter a professional school (medical, dentistry, pharmacy, etc) should consult the catalog of the professional school for requirements that may not be listed here.



BIOLOGY (Health Sciences Option)

MSC-Associate in Science

Freshman Year-Murray State College

| Fall Semester | | Spring Semester | | |
|----------------------|-------------------------|------------------------|------------------------|----------|
| ORI 1011 | New Student Orientation | 1 ENG 1213 | English Composition II | 3 |
| ENG 1113 | English Composition I | 3 CHM 1214 | General Chemistry II | 4 |
| CHM 1114 | General Chemistry I | 4 MTH 1513 | College Algebra | 3 |
| ZOO 1114 | General Zoology | 4 BOT 1114 | General Botany | 4 |
| CIS 1113 | Computer Applications | <u>3</u> PE 1112 | Personal Health | <u>2</u> |
| | | 15 | | 16 |

Sophomore Year-Murray State College

| Fall Semester | | Spring Semester | | |
|----------------------|-----------------------|------------------------|-----------------------------|----------|
| HST 1483 or 1493 | United States History | 3 GVT 1113 | American Federal Government | 3 |
| MATH 1613 | Plane Trigonometry | 3 MATH 2143 | Brief Calculus | 3 |
| PHYS 1114 | General Physics I | 4 PHYS 1214 | General Physics II | 4 |
| | Liberal Arts Elective | 3 | Science Elective | 2 |
| | Humanities Elective | <u>3</u> | Humanities Elective | <u>3</u> |
| | | 16 | | 15 |

SE-Bachelor of Science

+Junior Year-Southeastern Oklahoma State University

| Fall Semester | | Spring Semester | | |
|----------------------|---------------------------|------------------------|----------------------|----------|
| BIOL 1414 | Principles of Biology I | 4 BIOL 3404 | Genetics | 4 |
| BIOL 3614 | Human Physiology | 4 BIOL 3624 | Human Anatomy | 4 |
| BIOL 2114 | Introductory Microbiology | 4 | Electives in Minor** | <u>6</u> |
| | Electives in Minor** | <u>6</u> | | 14 |
| | | 18 | | |

**Six hours of minor must be upper-division.

+Senior Year-Southeastern Oklahoma State University

| Fall Semester | | Spring Semester | | |
|----------------------|--------------------------------|------------------------|--------------------------------|----------|
| BIOL 3414 | Ecology | 4 BIOL 4981 | Senior Seminar | 1 |
| BIOL 3814 | Cell & Molecular Biology | 4 | Biological Sciences Electives | 8 |
| | Biological Sciences Elective | 4 | Electives (In Minor if needed) | <u>6</u> |
| | Electives (In Minor if needed) | <u>6</u> | | 15 |
| | | 18 | | |

Total hours transferred from Murray State College: 62
 Total hours needed to complete Bachelor of Science in Biology: 65

+For further information contact: Dr. Teresa Golden, Chair,
 Department of Biological Sciences—tgolden@se.edu (580)-745-2286