

UNIVERSITY OF SOUTHERN MAINE
CATALOG YEAR 2014-2015

BIOLOGY WITH EMPHASIS IN BIOTECHNOLOGY

CORE CURRICULUM

- _____ Entry Year Experience (EYE; must be completed in the first semester by students with fewer than 24 transfer credits)
- _____ College Writing
- _____ Quantitative Reasoning (must be completed prior to Science Exploration)
- _____ Creative Expression
- _____ Cultural Interpretation
- _____ Science Exploration
- _____ Socio-cultural Analysis
- _____ Ethical Inquiry, Social Responsibility, and Citizenship
- _____ Thematic Cluster (3 courses from the same cluster with only 1 course overlapping with the major) or Minor[‡]
- _____ Diversity (may overlap with other core requirements)
- _____ International (may overlap with other core requirements)
- _____ Capstone

MAJOR REQUIREMENTS[†]

- | | | | | | |
|---------|-------|-------------|-------|---------------|-------|
| BIO 105 | _____ | BIO 281/282 | _____ | **BIO 409/410 | _____ |
| BIO 106 | _____ | BIO 408 | _____ | or | |
| BIO 107 | _____ | BIO 431 | _____ | **AMS 530/531 | _____ |
| BIO 201 | _____ | AMS 551 | _____ | | |

DEPARTMENTAL REQUIREMENTS[†]

- | | | | | | | | |
|---------|-------|---------|-------|----------|-------|-----------|-------|
| CHY 113 | _____ | CHY 461 | _____ | *PHY 111 | _____ | *PHY 114 | _____ |
| CHY 114 | _____ | CHY 462 | _____ | *PHY 112 | _____ | *PHY 116 | _____ |
| CHY 115 | _____ | CHY 463 | _____ | | | or | |
| CHY 116 | _____ | | | *PHY 121 | _____ | *PHY 114 | _____ |
| CHY 251 | _____ | MAT 152 | _____ | *PHY 123 | _____ | *PHY 116 | _____ |
| CHY 252 | _____ | MAT 220 | _____ | | | | |
| CHY 253 | _____ | | | | | | |
| CHY 254 | _____ | | | | | | |

ELECTIVES

[‡] Biotechnology students should consider declaring a minor in Biochemistry to fulfill this requirement.

[†] Grades of C- or higher are required in all courses.

** Biotechnology majors may take either BIO 409/410 **or** AMS 530/531. They may substitute BIO 441 for no more than one AMS course.

* Biology majors may take **either** PHY 111/114 **and** PHY 112/116 **or** PHY 121/114 **and** PHY 123/116.

NOTE: The University catalog states,

- “For all baccalaureate degrees at the University, a minimum of 30 credit hours including at least 9 hours in the major field, must be completed while registered in the school or college from which the degree is sought (15 credit hours for associate degree programs). A student may earn no more than six of these credit hours at another campus of the University of Maine System. Unless special permission is granted by the dean of the school or college concerned to pursue work elsewhere, the work of the senior or final year must be completed at this University.”
- “In addition to the minimum requirements of 120 credits for a baccalaureate degree and 60 credits for an associate degree, a candidate must (a) receive passing grades in courses required by the school or college, and the major department; (b) accumulate the number of credit hours required by the school or college in which the student is registered; (c) achieve an accumulative average of not less than 2.00; (d) meet the requirements of the major department; (e) complete an Application for Degree form with the Office of the Registrar at the beginning of the semester of graduation. **Responsibility for successfully completing the requirements of the program resides with the student.**”