

UNIVERSITY OF SOUTHERN MAINE  
COLLEGE OF ARTS AND SCIENCES  
CATALOG YEAR 2008-2009

**BIOLOGY WITH EMPHASIS IN PRE-PHARMACY\***

\*This is a two-year nondegree program designed for students who wish to enroll in a four-year doctoral program in Pharmacy.

**MINIMUM PROFICIENCY REQUIREMENTS**

Writing Proficiency (Area A) \_\_\_\_\_  
Mathematics Proficiency (Area B) \_\_\_\_\_

**General Education Requirements required for most Pharmacy programs**  
(Check individual programs for specific entrance requirements)

English Composition (Area C) \_\_\_\_\_  
Quantitative Decision Making (Area D) \_\_\_\_\_  
Public Speaking (THE 170F) \_\_\_\_\_  
Literature (Area H – usually Introduction to Literature, ENG 120H) \_\_\_\_\_  
Social Science (Area J – usually General Psychology I, PSY 101J) \_\_\_\_\_  
Social Science (Area J – usually Introduction to Sociology, SOC 100J) \_\_\_\_\_

**BIOLOGY REQUIREMENTS<sup>†</sup>**

BIO 105K<sup>††</sup> \_\_\_\_\_ BIO 111 \_\_\_\_\_  
BIO 106K<sup>††</sup> \_\_\_\_\_ BIO 112 \_\_\_\_\_  
BIO 107 \_\_\_\_\_ BIO 211 \_\_\_\_\_  
BIO 212 \_\_\_\_\_

**DEPARTMENTAL REQUIREMENTS<sup>†</sup>**

CHY 113K \_\_\_\_\_ PHY 111K \_\_\_\_\_  
CHY 114K \_\_\_\_\_ PHY 112 \_\_\_\_\_  
CHY 115 \_\_\_\_\_ PHY 114K \_\_\_\_\_  
CHY 116 \_\_\_\_\_ PHY 116 \_\_\_\_\_  
CHY 251 \_\_\_\_\_  
CHY 252 \_\_\_\_\_ MAT 152D \_\_\_\_\_  
CHY 253 \_\_\_\_\_ MAT 220 \_\_\_\_\_  
CHY 254 \_\_\_\_\_

**ELECTIVES**

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<sup>†</sup> Grades of C- or higher are required in all courses.

<sup>††</sup> Students must complete areas A & B (writing and math proficiency) before taking these courses.