



Associate of Science BIOLOGY 2012-2014

The associate of science in biology program prepares you to pursue a baccalaureate degree in biology for pre-professional medical studies. While some positions are open to holders of the associate degree, most of the opportunities exist at the bachelor, master, and doctoral levels.

GENERAL EDUCATION (36 CR) SEE PAGES 25-28.

Area I. Communications (9 cr)

Area II. Mathematics (3 cr)

Area III. Laboratory Sciences (8 cr)

BIOL 201/L Introduction to Molecular and Cell Biology with lab (4) (Fall)

Prerequisite: CHEM 121L

BIOL 202/L Principles of Genetics with lab (4)

Prerequisite: BIOL 201/L

Area IV. Social/Behavioral Sciences (6-9 cr)

Area V. Humanities and Fine Arts (6-9 cr)

HUM 100 FYE: History and Culture of Northern New Mexico (3)

PHIL 220 Ethics (3)

Area VI. Library Technology (1 cr)

LT 101 Library Research Skills (1)

PROGRAM REQUIREMENTS (35 CR)

BIOL 151/L Science and Society w/lab* (4)

Prerequisite: ENG 111

BIOL 203/L Ecology and Evolution with lab (4) (Fall)

Prerequisite: BIOL 202/L and MATH 150

BIOL 204/L Plant and Animal Form and Function with lab (4) (Spring)

Prerequisite: BIOL 203/L and CHEM 122/L

CHEM 121/L General Chemistry I with Lab (4)

Prerequisite: MATH 130, high school chemistry, or ACT score of 19 or higher in Natural Science.

CHEM 122/L General Chemistry II with Lab (4)

Prerequisite: CHEM 121/L

MATH 145 Introduction to Probability and Statistics (3)

Prerequisite: MATH 130 or adequate score on the Course Placement Evaluation

PHYS 121/L Applied Physics I with lab (4)

Prerequisite: MATH 130 or adequate score on the Course Placement Evaluation

Electives (choose 8 cr from the following):

BIOL 160/L Biotechnology Seminar I with lab (4) (Fall)

Prerequisite: BIOL 110/L or higher level BIOL

BIOL 210/L Microbiology with lab (4)

Prerequisite: CHEM 110/L

BIOL 260/L Biotechnology Seminar II with lab (4)

Prerequisite: BIOL 160/L

BIOL 290 Undergraduate Research Experience I (3)
BIOL 292 Undergraduate Research Experience II (3)
Prerequisite: BIOL 290
CHEM 221/L Quantitative Analysis with lab (4) (Spring)
Prerequisite: CHEM 122/L and MATH 145
ES 112/L Environmental Science with lab (4) (Fall)
MATH 155 Trigonometry (3)*
Prerequisite: MATH 150
MATH 162 Calculus I (4)*
Prerequisite: MATH 150 and MATH 155 or MATH 160

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Students wishing to pursue a BS in Biology are strongly encouraged to take Math 155 Trigonometry and Math 162 Calculus I, as they are also requirements for the BS in Biology program.

TOTAL CREDITS: 71