

BIOLOGY

Program Description

The A.S. degree in Biology is designed for students interested in careers associated with the biological sciences. Students will complete a core program of science and math courses coupled with general education courses designed to meet specific requirements for biological science programs at various four-year transfer institutions. Mesabi has an articulation agreement with Bemidji State University.

Students graduating with the A.S. Degree in Biology will have the necessary prerequisites and biology related field background to successfully transfer to a four-year institution and further their biological studies at the junior level.

Credits required for Graduation: 64

Degree

Fall Semester I

17 credits

PROGRAM REQUIREMENTS

*BIOL 1551 College Biology I

*CHEM 1522 General Chemistry I

MTC REQUIREMENTS

ENGL 1511 College Writing I

**Electives

Total

Cr Lec/Lab

5 4/1

5 4/1

4 4/0

3

17

Spring Semester II

14-15 credits

PROGRAM REQUIREMENTS

*BIOL 1552 College Biology II

*CHEM 1523 College Chemistry II

***MATH 1521 College Algebra or

***MATH 1561 Calculus I

***Calculus may be required in some biology fields

Total

5 4/1

5 4/1

4 4/0

5 5/0

14-15

Fall Semester III

16 credits

PROGRAM REQUIREMENTS

*BIOL 2556 Genetics

CHEM 2512 Organic Chemistry I

*PHYS 1561 College Physics I

**Electives

Total

3 3/0

5 4/1

4 3/1

4

16

Spring Semester IV

17 credits

CHEM 2513 Organic Chemistry II

*PHYS 1562 College Physics II

**Electives

Total

5 4/1

4 3/1

8

17

* Courses will meet the MTC requirements in GOAL 3 and/or GOAL 4.

** Electives: 14-15 credits including:

One from:

SOC 1551 Criminal Justice

HIST 1555 Hist of Western Civ

HIST 1565 American History I

HIST 1566 American History II

POLS 1556 American Govt

SOC 1555 Intro to Sociology

GEOG 1557 Cons.of Nat.Resources

One from:

PHIL 1551 Intro to Ethics

ENGL 1577 Mythology

MTC GOALS Credits

5,9 3

5,8 4

5,7 4

5,7 4

5,9 3

5,7 3

5,10 3

6,9 3

6,8 3

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