

Academic Fact Sheet

Wayne State
College

LIFE SCIENCES /BIOLOGY -BIOLOGY (55 Hours)

The Biology major is administered by the Life Sciences Department.

Facts about the Program

Degrees Offered:

B.A.
B.S.

Faculty:

Doug Christensen, Ph.D.
Buffany DeBoer, M.S.E.
Mark Hammer, Ph.D.
Barbara Hayford, Ph.D.
Glenn Kietzmann, Ph.D.
Ronald Loggins, Ph.D.
Shawn Percy, Ph.D.

Program Description

The Biology major is designed to give students a broad understanding of the field of biology. Students may follow the Biological tract or the Biomedical tract and are advised in electives based on their interests and career plans. Students graduating with Biology majors from WSC have gone on to secure positions as fisheries biologist, doctors, nurses, graduate students, teachers and various other professionals.

Career Opportunities

Opportunities in the Biological Sciences are numerous. They include but are not limited to:

- Medicine
- Health Careers
- Forestry & Wildlife
- Laboratory Science
- Range Management
- Environmental Science
- Agriculture

Scholarships and Financial Aid

Wayne State College is committed to providing a quality, affordable education for its students. There are several types of financial assistance available for Wayne State students, including grants, loans, work-study and scholarships. The aid packages are composed of money from Pell grants, SEOG grants, SSIG grants, Perkins loans, Stafford student loans, PLUS loans and a variety of scholarships. Contact the Financial Aid Office at (402) 375-7230 for further information.

For more information contact:

Life Sciences Department
Wayne State College
Wayne, NE 68787
(402) 375-7329 or 1-800-228-9972
lsci@wsc.edu
www.wsc.edu

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Life Sciences - Biology (55 Hours)

FRESHMAN YEAR

1st Semester

CHE 106	General Chemistry I	4
BIO 110	Biology Concepts	4
ENG 102	Composition Skills	3
+ MAT 121	College Algebra	3
	Block 3 General Education	<u>3</u>
		17

2nd Semester

BIO 200/210	Zoology/Botany	4
CHE 107	General Chemistry II	4
CNA 100	Prin. of Human Communication	3
MAT 180	Applied Probability and Statistics	3
	Block 3 General Education	<u>3</u>
		17

SOPHOMORE YEAR

3rd Semester

BIO 320	Molecular Genetics	4
	Block 3 General Education	9
HIS 120	World History	<u>3</u>
		15-16

4th Semester

BIO 210/210	Botany/Zoology	4
* CHE 208	Intro to Organic Chemistry	4
	Block 3 General Education	<u>2</u>
		14-17

JUNIOR YEAR

5th Semester

** BIO	Upper Level Elective	4
EPS 300	Educated Perspective	3
PHY 201	General Physics I	3
PHY 321	General Physics I Lab	1
	Elective	<u>1-3</u>
		15-17

6th Semester

** BIO	Upper Level Elective	4
BIO 370	Intro to Research	2
BIO 301	Biology Seminar	1
	Upper Level Electives	<u>4-6</u>
		10-12

SENIOR YEAR

7th Semester

*** BIO 464/465	Practicum BIO/Cont. Research	1
** BIO	Upper Level Electives	4
	Upper Level Electives	<u>9-11</u>
		14-16

8th Semester

BIO 425	Evolution	3
*** BIO 469/470	Sen. Seminar BIO/Research Pro.	1
** BIO	Upper Level Electives	4
	Upper Level Electives	<u>6-9</u>
		14-17

* Organic Chemistry I (CHE 314) may be taken instead of CHE 208.

** Any BIO courses number 300 and above will serve as upper level electives.

(CHE 336 Biochemistry I may be taken in lieu of one Biology elective course.)

Biology track take BIO 325 Ecology

Biomedical track take Bio 330 Histology, BIO 434 Advanced Cellular Biology

*** Students who do a research project take BIO 465 & BIO 470. Students who do an internship will take BIO 464 & BIO 469.

+ MAT 121 College Algebra with is recommended prerequisite for students with minimal algebra background.