

LIFE SCIENCES >

CONSERVATION BIOLOGY

Consider taking your love of the outdoors and making a career out of it by studying conservation biology. Wayne State will prepare you well for jobs related to caring for the environment, from animals to plants to water bodies in the field of conservation biology. With a life sciences degree emphasizing conservation and biology, you'll be ready for careers such as natural resource manager, environmental educator, forest ranger, or wildlife biologist. Make the environment and natural habitats better for people, animals, and plants as you start your degree in life sciences at Wayne State College.

Fast facts

Hours:

55-56 hours for concentration
30 hours in general education

At least 120 hours are required for graduation from Wayne State College. You may add a second major, minor, or electives to help meet these requirements.

Degrees offered: B.A. or B.S.

Department: Life Sciences

School: Science, Health, and Criminal Justice

Internship: Encouraged but not required

Popular minors: Environmental Studies, Chemistry, Geospatial Technology, Spanish

focus on results

Skills Learned

- Biological systems and structures
- Understanding of chemical process and materials
- Experimental design and process
- Modern lab techniques
- Understanding of evolutionary processes
- Observation
- Ability to gather and analyze data
- Critical thinking
- Communication

Possible Careers

- Forest ranger
- Conservation biologist
- Wildlife biologist
- Fisheries biologist
- Resource manager
- Habitat specialist
- Environmental scientist
- Ecosystem specialist

Types of Employers

- National parks and forests
- Government organizations
- Conservation societies
- Fisheries
- Lumber companies
- Energy companies
- Natural resource facilities
- Zoos
- Tribal lands
- Schools, colleges, and universities
- Research labs

outside the classroom

Activities / Opportunities

- Conduct research projects
- Conferences and presentations
- Peer mentoring and tutoring
- Service-Learning
- Study Abroad

Clubs / Organizations

- Biology Club
- The Wildlife Society



Visit www.wsc.edu/clubs to learn more about clubs and organizations on campus.



Sample program of study

2020-21 Academic Year

Every effort is made to ensure this information is current, but please be aware that some content may have changed. There is no substitute for developing a careful course registration plan in consultation with your advisor. The class sequence listed is suggested only. The final decision rests with the student and academic advisor.

Pre-forestry students may transfer to a professional forestry program depending on their specific interests after one or two years.

Freshman - 1st semester

BIO 110 Biology Concepts (General Studies CAT 7).....	4
CHE 106 General Chemistry I	4
ENG 102 Composition Skills (General Studies CAT 1).....	3
General Studies CAT 2.....	3

Freshman - 2nd semester

BIO 200 Zoology or BIO 210 Experimental Plant Science.....	4
CHE 107 General Chemistry II	4
PGH 200 Introduction to Personal, Public, and Global Health (General Studies CAT 9).....	3
Electives.....	6

Sophomore - 1st semester

*BIO 104 Environmental Concerns (General Studies CAT 10).....	3
BIO 320 Molecular Genetics or BIO 325 Ecology	4
MAT 180 Applied Probability and Statistics (General Studies CAT 3).....	3
SOC 110 Introduction to Anthropology (General Studies CAT 8).....	3
Electives.....	3

Sophomore - 2nd semester

BIO 200 Zoology or BIO 210 Experimental Plant Science.....	4
#CHE 208 Intro to Organic Chemistry.....	4
General Studies CAT 5.....	3
Electives	3

Junior - 1st semester

BIO 320 Molecular Genetics or BIO 325 Ecology	4
**BIO upper level electives.....	4
PHY 201/321 General Physics I w/Lab	4
General Studies CAT 4.....	3

Junior - 2nd semester

BIO 370 Intro to Research	2
**BIO upper level elective.....	7
General Studies CAT 6.....	3

Senior - 1st semester

BIO 301 Biology Seminar	1
BIO 397 Internship or BIO 465 Continuing Research.....	1
**BIO upper level electives.....	8
Upper level electives.....	6

Senior - 2nd semester

BIO 425 Evolution.....	3
BIO 469 Senior Seminar or BIO 470 Research Project.....	1
**BIO upper level electives.....	3
Upper level electives.....	9

*Recommended, but not required, to fulfill General Studies CAT 10

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

BIO 300 Invertebrate Zoology.....	4
BIO 345 Conservation Biology.....	3
BIO 400 Advanced Zoology	3
BIO 405 Advanced Plant Biology.....	3
BIO 410 Vertebrate Zoology.....	4
BIO 415 Wildlife Management.....	4
BIO 430 Parasitology.....	3
BIO 451 Advanced Ecology.....	3

#CHE 314 Organic Chemistry I and CHE 315 Organic Chemistry II may be taken instead of CHE 208.

biology faculty



Visit www.wsc.edu/life-sciences
to learn more about the
Department of Life Sciences.

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