The living and breathing world is vast – people, plants, and animals, all over the planet. As a future biology teacher, you will be an important part of students’ lives as you guide them through the massive world of the study of biology. You’ll help them discover what things make up living beings and what they need to survive. Wayne State is an excellent setting to develop your understanding of biology while also learning how to become a biology teacher. With a biology education degree, you’ll be equipped to teach the next generation all about life.

In addition to the biology subject endorsement, you will also need to select a second subject endorsement to study.
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. For questions about this content, please see your advisor.

Students must complete the listed coursework below in addition to meeting the Core Academic Tenets (CATs) of the General Studies program. A minimum of 120 credits are needed for graduation. A second subject endorsement is required for Nebraska state certification. Students may need to take summer classes to complete requirements for this endorsement. Check class schedules for summer offerings.

**Level 1: Preparing for Teacher Candidacy**

**FRESHMAN - 1st semester**
* BIO 110 Biology Concepts ................................................. 4  
* CHE 106 General Chemistry I ............................................. 4  
* ENG 102 Principles of Communication ............................. 3  
* Electives / General Studies .............................................. 3

**FRESHMAN - 2nd semester**
BIO 200 Zoology ................................................................. 4  
CHE 107 General Chemistry II .......................................... 4  
EDU 150 Professional Education in a Diverse Society ........... 3  
MAT 180 Applied Probability and Statistics ....................... 3  
Electives / General Studies .............................................. 3

It is recommended that students satisfactorily complete the Core exam before completion of freshman year.

**SOPHOMORE - 1st semester**
BIO 220 Human Anatomy .................................................. 4  
BIO 320 Molecular Genetics ............................................. 4  
EDU 250 Human Development and Cognition ...................... 3  
EDU 275 Intro to PK-12 Instruction .................................... 3  
Science electives / General Studies .................................. 3-4

**SOPHOMORE - 2nd semester**
BIO 210 Experimental Plant Science .................................. 4  
BIO 340 Human Physiology ............................................. 4  
SPD 302 Inclusive Practices for the General and Special Educator .... 3  
Electives / General Studies ............................................. 6-8

**JUNIOR - 1st semester**
BIO 300 Invertebrate Zoology or biology elective ............... 4  
BIO 325 Ecology ............................................................... 4  
EDU 310 Reading, Writing, and Assessment in Content Areas .... 2  
Electives / General Studies ............................................. 6-8

**JUNIOR - 2nd semester**
BIO 370 Intro to Research .................................................. 2  
BIO 393 Lab Techniques ..................................................... 1  
BIO 425 Evolution ............................................................ 3  
SPD 436 Social, Emotional Development, Behavior Intervention,  
and Secondary Prosocial Classroom Management ................... 3  
Science electives / General Studies .................................. 7-12

**SENIOR - 1st semester**
*PHY 201 General Physics I ............................................. 3  
*PHY 321 General Physics I Lab ........................................ 1  
EDU 414 Content Area Clinical Experience ......................... 1  
EDU 409 Science Methods and Assessment ....................... 3  
Electives .......................................................... 4

**Advancement to Level 2: Acceptance to Teacher Education Candidacy**

**SENIOR - 2nd semester**
EDU 456 Clinical Practice and Seminar for Secondary Schools .... 12

*Identifies core courses

**Advancement to Level 3: Clinical Practice**

All persons seeking Nebraska certification are required to provide proof of a passing score on the Praxis II content test designated for the area(s) of endorsement. For information about the test requirements, please visit the Nebraska Department of Education website at [www.education.ne.gov](http://www.education.ne.gov).

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**Biology Education Faculty**

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