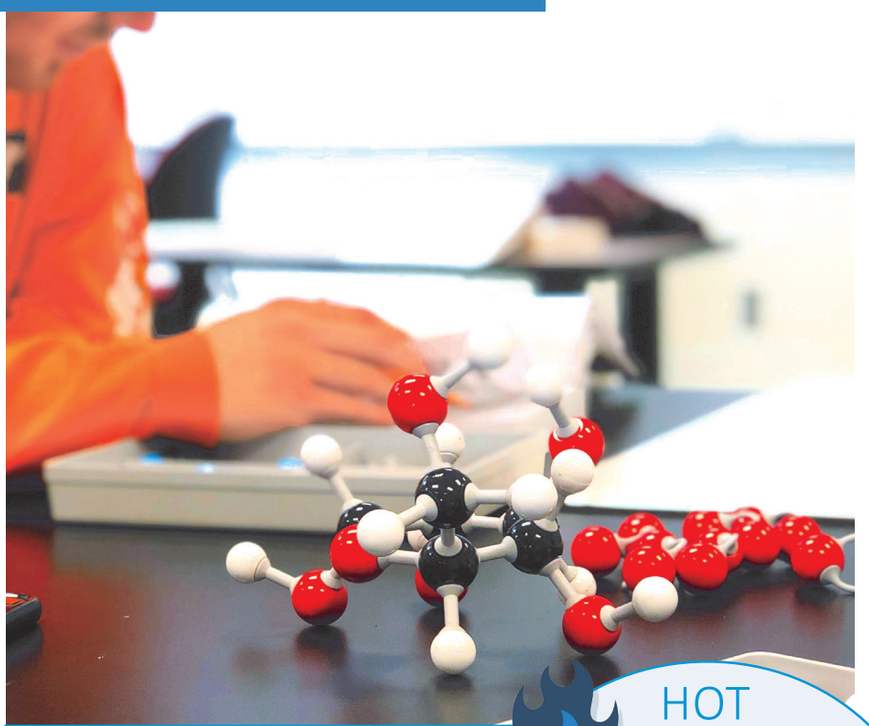
BS BIOLOGY – SECONDARY TEACHING EMPHASIS



STUDENT SPOTLIGHT

"The Biology department at Western has been super helpful in planning my path to become a teacher. The Secondary Teaching Emphasis has all of my classes laid out, fantastic advising, and courses that I know are setting me up for success to change the world through education!"

- Emma Kentch

HOT TOPICS

Do you want to learn more about teaching methodologies used by science educators?

Do you plan to pursue a secondary education teaching endorsement?

The Biology with a Secondary Teaching Emphasis allows students to become secondary school teachers, while giving them the flexibility to pursue any other career in biology or continue to post-baccalaureate studies. A broad Biology curriculum for this major prepares students for a teaching endorsement in biology. It provides students with a well-rounded liberal arts education by also including courses in math, physics, and chemistry. Students will explore laboratory courses in genetics, molecular and organismal biology, as well as the relationship between science and society.

To receive a recommendation for a state of Washington certification, students must complete a professional preparation program in secondary education. A Biology endorsement with a teaching certification will require being admitted to Woodring College of Education.

To learn more about this major, visit the university catalog – **catalog.wwu.edu**

For a complete overview of course requirements for this program, access Degree Works via Web4u

Join the conversation: *facebook.com/groups/wwubiology*

WESTERN WASHINGTON UNIVERSITY
BIOLOGY DEPARTMENT

WWU is an equal opportunity institution.

To request this document in an alternate format, please contact biologyadvising@wwu.edu.

SAMPLE CAREER PATHWAYS

Biology Teacher- Grades 6-12

General Science Teacher- Grades 6-12

Environmental Educator

Research Scientist

Laboratory Technician

FACULTY ADVISORS

Deborah Donovan

Alejandro Acevedo-Gutiérrez

CURRICULUM HIGHLIGHTS

BIOL 324
Methods in Molecular Biology

SCED 370
Science and Society

SCED 481
Fundamentals of Teaching Science

SCED 491
Methods in Secondary Education for Science Teachers

SAMPLE FIRST YEAR SCHEDULE

ALEKS Score:	FALL	WINTER	SPRING
Prior completion of Calc. 1	BIOL 204 CHEM 161 3-5 cr. non-science GURs	BIOL 205 CHEM 162 3-5 cr. non-science GURs	BIOL 206 CHEM 163 3-5 cr. non-science GURs
80	MATH 124 CHEM 161 3-5 cr. non-science GURs	BIOL 204 CHEM 162 3-5 cr. non-science GURs	BIOL 205 CHEM 163 3-5 cr. non-science GURs
70	MATH 118 CHEM 161 3-5 cr. non-science GURs	MATH 124 CHEM 162 3-5 cr. non-science GURs	BIOL 204 CHEM 163 3-5 cr. non-science GURs
55	MATH 114 7-10 cr. non-science GURs	MATH 115 CHEM 161 3-5 cr. non-science GURs	MATH 124 CHEM 162 3-5 cr. non-science GURs
35	MATH 112 7-10 credits of non-science GURs	MATH 114 7-10 credits of non-science GURs	MATH 115 CHEM 161 3-5 cr. non-science GURs

COURSE LOAD

Due to the heavy workload associated with lab-based courses, students are advised to take no more than two science courses per quarter (including math) during their first year. Course load will increase as students move through their program requirements.

APPLYING TO THE BIOLOGY MAJOR

To become a Biology Major and take upper-division Biology courses, students must complete the Biology Major Application. The application covers three areas:

- Responses to the four essay prompts
- A Knowledge Assessment score
- A cumulative grade-point average (GPA) for BIOL 204, BIOL 205, CHEM 161, and CHEM 162 (or the equivalent courses)

Students who have applied to be a Biology pre-major will be able to access the application via Canvas. The application deadline is the first Friday of the quarter prior to the quarter you plan to start your major. To be eligible to apply, students must have completed BIOL 204, BIOL 205, CHEM 161, and CHEM 162 (or equivalent courses) with a C- or greater.

COURSE PLANNING WORKSHEET

	FALL	WINTER	SPRING	SUMMER
Year 1				
Year 2				
Year 3				
Year 4				