



# Biology, Bachelor of Science (BS)

## Program description and career options:

- **Program description:** Biology is the scientific study of organisms and their life processes. It is a broad field that includes organismal structure and function, evolution, and interactions and distribution of organisms in all levels of life, and has applications in areas ranging from medicine to climate change. All students will learn core concepts of ecology and evolution, molecular and cellular biology, plant and organismal biology, and genetics. Specialization areas: biomedical science, cellular and molecular biology, ecology and evolution, and general biology.
- **Likely Career Paths:** Laboratory research scientist, field biologist/ecologist, conservationist/environmental resource manager, medical professional (doctor, dentist, physician assistant, physical therapist, veterinarian, pharmacist, etc.), animal scientist, botanist/plant scientist, medical laboratory scientist, microbiologist, bioinformatics analyst.

## Key considerations:

- **Cost:** University-wide costs ([cwu.edu/financial-aid/cost-attendance](http://cwu.edu/financial-aid/cost-attendance)). Course fees for laboratory and field courses range from \$25 - \$100 per course; total program cost varies depending on specialization.
- **Location:** Ellensburg
- **Primary contact:** [biology@cwu.edu](mailto:biology@cwu.edu) | 509-963-2731 | [cwu.edu/biology/biology-majors-minor](http://cwu.edu/biology/biology-majors-minor)

## Course planning:

### 1st and 2nd Year Courses or Areas of Study

CWU Course #	CWU Course Name	Transfer Course #
MATH 153	Precalculus I	MATH& 141
MATH 154	Precalculus II	MATH& 142
CHEM 181 + CHEM 181 lab	General Chemistry I	CHEM& 161
CHEM 182 + CHEM 182 lab	General Chemistry II	CHEM& 162
CHEM 183 + CHEM 183 lab	General Chemistry III	CHEM& 163
BIOL 181 Biology I	Majors Ecology/Evolutionary Biology	BIOL& 221 or TES
BIOL 182 Biology II	Majors Cell/Molecular Biology	BIOL& 222 or TES
BIOL 183 Biology III	Majors Organismal Physiology	BIOL& 223 or TES

- The [Transfer Equivalency Site \(TES\)](#) provides CWU equivalencies for courses at other colleges and universities.

## Advising Notes:

- We recommend students pursue and earn an AA-DTA.
- Any Washington state DTA (Direct Transfer Agreement) degree will satisfy all general education requirements.
- Students transferring with an AS-T (Associate in Science-Transfer) will need to take additional coursework to fulfill CWU general education requirements.
- Major requirements may change over time; students will be expected to meet the catalog requirements in place at the time they are admitted to the major. Current catalog: <https://catalog.acalog.cwu.edu/>

## Other Resources:

**Admissions:** 509-963-1211 | [admissions@cwu.edu](mailto:admissions@cwu.edu) | [cwu.edu/admissions](http://cwu.edu/admissions)

**Financial Aid:** 509-963-1611 | [FinancialAid@cwu.edu](mailto:FinancialAid@cwu.edu) | [cwu.edu/financial-aid](http://cwu.edu/financial-aid)

**Transfer Center:** 509-963-1390 | [transfer@cwu.edu](mailto:transfer@cwu.edu) | [cwu.edu/transfer](http://cwu.edu/transfer)

**Veterans:** 509-963-3028 | [VA@cwu.edu](mailto:VA@cwu.edu) | [cwu.edu/veterans](http://cwu.edu/veterans)

**International:** +1-509-963-3612 | [intladm@cwu.edu](mailto:intladm@cwu.edu) | [cwu.edu/programs/international-student-admissions](http://cwu.edu/programs/international-student-admissions)

## NOTES

# Streamline your path to a degree with CWU's Early Transfer Admissions Plus

As part of the program, you're fully admitted to your community or technical college and conditionally admitted to CWU with access to major advising, financial aid workshops, and career counseling.



## STUDENT ADVANTAGES

- \$60 application fee waived
- Gain confidence about next steps
- Receive early program-specific academic advising
- Get counsel from Financial Aid with quarterly workshops, scholarship updates, and more
- Engage with current CWU students and faculty
- Get early access to exclusive CWU resources including Exploratory Advising and Career Services
- Show your Wildcat Pride with CWU gear

With eight centers and sites, online programs, and our flagship campus in historic Ellensburg, CWU has educational options available for everyone. With more than 135 majors to choose from, CWU is known for hands-on learning and small classes. Professors know students by name and are invested in their success.



**Contact us today for more information:**

509-963-1211 • [admissions@cwu.edu](mailto:admissions@cwu.edu) • [cwu.edu/admissions](https://cwu.edu/admissions)