Candidates also complete a secondary education professional program. Grade required for endorsement courses: C (2.0) or better. Course substitutions must be clearly noted below.

### Biology*

- BIOL 204 - Intro to Evolution, Ecology and Biodiversity
- BIOL 205 - Intro to Cellular and Molecular Biology
- BIOL 206 - Intro to Organismal Biology
- BIOL 321 - Genetics
- BIOL 323 - Cell and Molecular Biology
- BIOL 325 - Evolutionary Biology
- BIOL 460 - Invertebrate Zoology w/Lab or approved substitute
- BIOL 452 - Systematic Botany or approved substitute
- CHEM 161 - General Chemistry I
- CHEM 162 - General Chemistry II
- CHEM 163 - General Chemistry III
- CHEM 251 - Elementary Organic Chemistry
- BIOL 340 - Biometrics
- SCED 370 - Science and Society
- SCED 481 - Fundamentals of Teaching Science
  - SCED 491 - Methods in Secondary Education for Science Teachers
- NES Biology Test Code 305

### Add Science (Optional)

You can add a science add-on endorsement by passing the NES Science Test Code 311 (Pathway 1). You can be recommended by WWU, waive the OSPI fee, and get test preparation through taking the following coursework:

- One course from:
  - ASTR 103 - Intro to Astronomy
  - ASTR 113 - Sun, Moon, and Planets
- GEOL 211 - Physical Geology
- GEOL 212 - Historical Geology
- Choose one of the following series:
  - PHYS 114 - Principles of Physics I
  - PHYS 115 - Principles of Physics II
  - PHYS 116 - Principles of Physics III
  - OR
  - PHYS 161 - Physics with Calculus I
  - PHYS 162 - Physics with Calculus II
  - PHYS 163 - Physics with Calculus III
- NES Science Test Code 311

*This checklist is only about endorsements towards a teaching credential, NOT for getting a Biology, BSc degree. You are encouraged to talk to your academic advisor as there are discrepancies between the endorsement and the BSc degree checklists.

These classes at WWU have associated prerequisites not listed in the above endorsement requirements. When planning your course of study, please attend to these. You are encouraged to talk with an advisor about how to do this.

- PHYS 114/115/116 series: MATH 115 or MATH 118 or suitable assessment score
- PHYS 161: MATH 124 or MATH 134 or MATH 138 (can be completed concurrently)
- PHYS 162/163: MATH 125 or MATH 135 or MATH 138 (can be completed concurrently)

Outstanding Courses: