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<td><strong>BIOLOGY</strong></td>
<td>The Bachelor of Science in Biology degree provides students with a foundation that will enable them to pursue careers or graduate study in medicine, dentistry, health professions, pharmaceuticals, biotechnology, ecology, biology, and biology education.</td>
<td>The curriculum combines theory with hands-on experience that draws on the University of Washington Bothell's strengths: small classes; strong faculty-student mentorship; integrative, problem-based teaching approaches; and research and internship opportunities outside the classroom.</td>
<td>General Chemistry I, General Chemistry II, General Chemistry III, Intro to Biology I, Intro to Biology II, Intro to Biology III</td>
<td>uwb.edu/biological-sciences</td>
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<td><strong>CHEMISTRY</strong></td>
<td>UW Bothell offers the following Chemistry degrees: Bachelor of Arts (BA), Bachelor of Science (BS), Bachelor of Science (BS) with a Biochemistry option. The BS and BA Chemistry curricula will inform and expose students to the interdisciplinary nature of STEM fields and programs along with training them to solve various technical problems for the general good.</td>
<td>Students in both the BS and BA Chemistry programs will get extensive hands-on opportunities with modern chemical instrumentation. This includes a 400 MHz NMR, a Fourier Transform Infra-Red Spectrometer, Flame Atomic Absorption and other high-end instrumentation.</td>
<td>General Chemistry I, General Chemistry II, General Chemistry III, Organic Chemistry I, Calculus I, Calculus II, Calculus III</td>
<td>uwb.edu/chemistry</td>
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<td><strong>CONSERVATION &amp; RESTORATION SCIENCE</strong></td>
<td>Bachelor of Science in Conservation and Restoration Science prepares students to address environmental challenges facing the world today. Conservation and Restoration Science students develop the depth of scientific understanding, interdisciplinary perspectives, and creative problem-solving skills needed to design and bring about solutions to these problems at local, regional, and global scales.</td>
<td>Through community-based projects ranging from wetlands restoration and conservation planning to analyses of regional air and water pollution, students gain practical experience and make a positive difference while they are still in school.</td>
<td>General Chemistry I, Calc I or Calc for the Life and Social Sciences, Intro to Environmental Issues, Intro Statistics Course, Composition, Research Writing, 10 credits in VLPA Area Of Knowledge, 5 credits in I&amp;S Area Of Knowledge</td>
<td>uwb.edu/conservation-restoration-science</td>
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### EARTH SYSTEM SCIENCES

**What is it?**
Earth System Science (ESS) applies systems thinking and multiple science disciplines, including the classic fields of Geology, Oceanography, Atmospheric Science, and Environmental Science, to understanding complex phenomena in Earth's physical systems.

**What will I study?**
Educational and research programs that take this unified approach emphasize the processes and interactions within the Earth system and the connections between natural and human systems.

**What are the prerequisites?**
- General Chemistry I or Intro to Physics
- 10 credits Earth System Science (ESS) Course
- 10 credits in VLPA Area Of Knowledge
- 10 credits in I&S Area Of Knowledge
- Composition

**Where can I learn more?**
uwb.edu/earth-system-science

### HEALTH STUDIES

**What is it?**
In the Health Studies program, students develop and apply a range of skills for public health practice. Students explore the social and biological predictors of health; conduct policy analyses; use health education and community engagement strategies; apply social justice critiques; understand global health perspectives, and evaluate health related research.

**What will I study?**
The student will develop critical thinking and encourage knowledge analysis and synthesis while building technical and analytical skills to address challenges in protecting the health of communities from local to global.

**What are the prerequisites?**
- Composition
- Research Writing
- 10 credits in each Area Of Knowledge
- QUANTITATIVE SKILLS course (QSR)

**Where can I learn more?**
uwb.edu/healthstudies