FISH, WILDLIFE, AND CONSERVATION BIOLOGY

Prospective Transfer Workbook

Fisheries & Aquatic Sciences | Wildlife Biology | Conservation Biology
What is FWCB?

The major in Fish, Wildlife, and Conservation Biology begins with a strong dedication to the foundational coursework in areas of biology, calculus, chemistry, physics, and an introduction to wildlife biology. This foundation builds towards our more specific higher-level coursework and is designed to provide an excellent pathway for internships, wildlife and natural resource-related careers, and/or graduate studies and research. All of our concentrations require a 4-week summer course (NR220), which is held at the CSU Mountain Campus.

Common careers include private and public sector wildlife monitoring and management, consulting, wildlife biology, and research. The major also provides a solid background for work for non-profits such as The Nature Conservancy, government agencies, or environmental conservation education.

Three Fish, Wildlife, and Conservation Biology major concentrations are offered: Fisheries and Aquatic Sciences, Wildlife Biology, and Conservation Biology.

To access curriculum checksheets and advising information: catalog.colostate.edu or https://warnercnr.colostate.edu/fwcb/undergraduate-study/undergraduate-program-advising/

Concentrations

FISHERIES & AQUATIC SCIENCES

This concentration is a critical area of study for research, management and conservation of aquatic systems, with emphasis on the insects, fish, and other aquatic life supported in these systems (including humans). Students in this concentration are well prepared for positions such as fisheries biologist, research scientist, or water quality and policy specialist. Potential employers range from aquaculture and commercial fisheries to state and federal wildlife agencies and the US Fish and Wildlife Service/US Forest Service.

The Fisheries concentration also requires a work experience (80 hours + 1-credit internship course) that can be an internship, summer job, or volunteer position.

WILDLIFE BIOLOGY

This concentration focuses on terrestrial species and how they interact with a variety of landscapes and ecosystems. While there is an emphasis on game species such as elk, deer, etc., the coursework contains a broad spectrum from avian ecology, to amphibians, to our more “charismatic megafauna” (bears, wolves, wild cats, etc.).

In the upper-level courses, there are opportunities for students to choose specific direction for study (mammology, ornithology, herpetology, wildlife diseases, global wildlife conservation, etc.). This concentration prepares students for work with species in a variety of ecosystems.

CONSERVATION BIOLOGY

This concentration provides students with broader knowledge across both aquatic and terrestrial disciplines as well as a focus on the systems that support them (soils, water, forests, fire, geology, etc.). There is also a more focused exploration of the human, historical, and political aspects that have shaped conservation efforts and what can be done to ensure sustainable practices and management of natural resources.

Students who pursue this concentration tend to have more interest in policy, legislation, and conservation efforts on a broader scale (ecosystems/habits). They may not be tied to working with a specific species, but may instead be interested in biota across an entire biome. Students interested in working with marine systems will often choose this concentration to get a broader background that could include terrestrial animals as well as fish and their aquatic environment.

Effective Spring 2019
## Priority Courses

<table>
<thead>
<tr>
<th>CSU Course #</th>
<th>CSU Course Name</th>
<th>Colorado Community College Course #</th>
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<tbody>
<tr>
<td>LIFE 102 and 103</td>
<td>Attributes of Living Systems and Biology of Organisms</td>
<td>BIO 111 and 112</td>
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<tr>
<td>MATH 117, 118, 124</td>
<td>College Algebra I and II, Logarithmic and Exponential Functions</td>
<td>MAT 121 OR MAT 166 (preferred)</td>
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<tr>
<td>MATH 125 and 126</td>
<td>Numerical and Analytical Trigonometry</td>
<td>MAT 122 OR MAT 166 (preferred)</td>
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<tr>
<td>MATH 160</td>
<td>Calculus for Physical Scientists I</td>
<td>MAT 201</td>
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<tr>
<td>CO 150</td>
<td>College Composition</td>
<td>ENG 122</td>
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<tr>
<td>FW2++ (FW104)</td>
<td>Wildlife Ecology and Conservation</td>
<td>NRE 205</td>
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<tr>
<td>CHEM 245 and 246</td>
<td>Fundamentals of Organic Chemistry and Lab</td>
<td>CHE 205</td>
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**CHEM/PHYSICS TRACK I**
- CHEM 111 and 112: General Chemistry I and Lab
  - CHE 111
- CHEM 113 and 114: General Chemistry II and Lab
  - CHE 112
- PH 110 and 111: Descriptive Physics and Lab
  - PHY 105

**CHEM/PHYSICS TRACK II**
- CHEM 107 and 108: Fundamentals of Chemistry Lab
  - CHE 101
- PH 121: General Physics
  - PHY 111
- PH 122: General Physics II
  - PHY 112

To view how courses will transfer to CSU, please go to: [www.transferology.com](http://www.transferology.com). A student may apply 64 transfer credits from a regionally accredited 2-year institution toward their degree at CSU. There is no limit on the amount of credit that can be transferred from a regionally accredited 4-year institution. Only coursework completed with a grade of C- or better will be accepted in a transfer. Transfer grades and credits are not computed within the cumulative GPA earned at CSU. If coursework presented for transfer is over 10 years old, the academic department will need to review it for applicability towards degree requirements. Students must complete 42 upper-division (300-level or higher) credits, at least 30 of which must be taken at CSU, to earn a CSU degree.
Before You Transfer

1. Review your major options online at https://admissions.colostate.edu/academic-programs/. If you are interested in learning more about the major programs in Warner College of Natural Resources, set up a time to talk with Jake Aglietti (jake.aglietti@colostate.edu).
2. Consider making a visit to CSU and/or WCNR. You can schedule a visit to campus at: https://admissions.colostate.edu/visit-campus/#transfer.
   - If you are transferring credit from a school outside of Colorado, you may request a Tentative Transfer Credit Evaluation with the Transfer Student Center once you have selected a major program. This evaluation will inform you of how your credits will work with your selected major. Please contact the Transfer Student Center at (970) 491-1858 or via the Transfer Student website through Admissions: https://admissions.colostate.edu/transfer/.
4. Apply for admission to CSU: https://admissions.colostate.edu/apply/transfer/.

CSU has a number of statewide articulation agreements and approved transfer guides. To view the agreements that are currently approved at CSU, please visit: https://registrar.colostate.edu/transfer-credit/agreements-guarantees/.

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After You’ve Been Admitted...

Welcome to Warner!

1. Confirm your offer of admission and pay or defer your enrollment deposit.
2. Sign up for Ram Orientation. All transfer students are required to attend Ram Orientation. At Ram Orientation, you’ll meet with your assigned WCNR major advisor and register for classes. Be sure to complete any placement requirements prior to attending Ram Orientation.
3. Submit your final transfer transcripts to CSU prior to orientation.
4. If you have examination credit (AP, IB, etc.), please make sure to send your test scores from the testing agency directly to CSU prior to orientation. AP/IB test scores cannot be transferred from your previous institution to CSU and must be sent directly from the testing agency.
5. Complete your financial aid and health records requirements. Information about WCNR scholarships is available at: https://warnercnr.colostate.edu/scholarships-and-fellowships/.
6. Connect with Warner online:
   - Twitter – @warnercollege
   - Instagram – csuwarnercollege
   - Facebook – https://www.facebook.com/WarnerCollegeofNaturalResources/
7. If you’re admitted for the fall semester, plan to attend Ram Welcome to connect with other WCNR students and kick off the start of a new academic year!
8. Students who transfer to CSU from a Colorado Community College before earning the Associates degree should use the “Reverse Transfer” process to earn the Associates degree from their previous institution: degreewithinreach.org