FISHERIES TECHNOLOGY - DEGREE

Limited Entry Associate of Applied Science Degree Program | mhcc.edu/Fisheries (http://mhcc.edu/Fisheries/)

Faculty Advisers
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Marla Chaney: 503-491-7330 | Room F13 | Marla.Chaney@mhcc.edu

The purpose of the Fisheries Technology AAS degree is to prepare students for successful careers with private, federal or state agencies as a fish culturist and/or a fishery technician. Over and above such required work as fish biology, fish husbandry and fishery techniques, a significant portion of the program will provide hands-on experience through field and propagation projects, including operations in the campus fish hatchery.

Program Outcomes
At the completion of this program, students should be able to:

- Develop and apply a variety of techniques commonly used to evaluate and manage fisheries in the Pacific Northwest
- Develop and apply basic fish husbandry principles employed in Pacific Northwest fish culture facilities to successfully raise a variety of aquatic species
- Design, conduct and present (written and oral) a fisheries-related research project
- Apply a variety of building and equipment maintenance techniques commonly employed at fish culture facilities
- Demonstrate and apply basic biological principles to the study of fish
- Demonstrate and apply basic statistical processes to the analysis of fisheries data
- Discuss current issues impacting the field of natural resources
- Conduct and record a stream survey in accordance with a standardized procedure

Chest waders and rain gear are required and must be purchased by the student. Students completing the program will usually assist in propagation projects, including operations in the campus fish hatchery.

For the most part, courses that fulfill general education requirements can be taken in any term.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>First Quarter</td>
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</tr>
<tr>
<td>Fall</td>
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<tr>
<td>CI120L</td>
<td>Computer Concepts Lab I ★</td>
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<tr>
<td>FI101</td>
<td>Fishery Techniques I</td>
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<tr>
<td>FI111</td>
<td>Fish Biology I</td>
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<td>Select one of the following:</td>
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<tr>
<td>MTH058</td>
<td>Quantitative Reasoning I</td>
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<tr>
<td>MTH065</td>
<td>Beginning Algebra II ★ (or higher)</td>
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<tr>
<td>Second Quarter</td>
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<td>Winter</td>
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<td>BT210ZEA</td>
<td>Excel - Level I</td>
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<tr>
<td>FI102</td>
<td>Fishery Techniques II</td>
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<tr>
<td>FI112</td>
<td>Fish Biology II</td>
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Third Quarter

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<tr>
<td>BT210ZAA</td>
<td>Access - Level I</td>
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<tr>
<td>COMM111</td>
<td>Fundamentals of Public Speaking ★</td>
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<tr>
<td>FI103</td>
<td>Fishery Techniques III</td>
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<tr>
<td>FI113</td>
<td>Fish Biology III</td>
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<tr>
<td>FI205</td>
<td>Fisheries Lab Techniques</td>
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<td>PE185FSW</td>
<td>Swimming and Basic Water Safety</td>
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Fourth Quarter

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<tr>
<td>FI201</td>
<td>Fish Husbandry I</td>
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<tr>
<td>FI207</td>
<td>Fisheries Data Analysis Techniques</td>
<td>4</td>
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<tr>
<td>FI211</td>
<td>Field Projects I</td>
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<tr>
<td>FI223</td>
<td>Fisheries Welding</td>
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<tr>
<td>FI241</td>
<td>Stream Habitat Assessment and Improvement</td>
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Fifth Quarter

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<tr>
<td>FI202</td>
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<tr>
<td>FI212</td>
<td>Field Projects II</td>
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<td>FI221</td>
<td>Building and Equipment Maintenance and Repair I</td>
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<td>NR180</td>
<td>Career Development in Natural Resources</td>
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Sixth Quarter

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<tr>
<td>FI203</td>
<td>Fish Husbandry III</td>
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<tr>
<td>FI213</td>
<td>Field Projects III</td>
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<tr>
<td>FI222</td>
<td>Building and Equipment Maintenance and Repair I</td>
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<tr>
<td>FI231</td>
<td>Current Issues/Natural Resources</td>
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<td>WE280FL_</td>
<td>Cooperative Education Internship</td>
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<td>WR227</td>
<td>Technical Report Writing ★</td>
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Total Credits 91-95

1. PSY101 Psychology of Human Relations ★ or PSY201 General Psychology ★ recommended.
2. Students must have current First Aid and CPR cards. HE252 First Aid: Responding to Emergencies and HPE285OL Wilderness Survival offer certification in First Aid and CPR. Students may also contact the Red Cross or American Heart Association for training.

Suggested Electives

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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>FT228</td>
<td>Introduction to Geographic Information Systems</td>
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<td>HD100A</td>
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<td>HE252</td>
<td>First Aid: Responding to Emergencies</td>
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<td>HPE285OL</td>
<td>Wilderness Survival</td>
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<td>NR242</td>
<td>Watershed Processes</td>
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<td>WL182</td>
<td>Swift Water Rescue</td>
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<td>WLD116</td>
<td>General Welding I</td>
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Admission Requirements

For more information about the admission process, visit mhcc.edu/Fisheries (https://www.mhcc.edu/fisheries/). If you have further questions after visiting this page, please email LRAdmissions@mhcc.edu.

🌟 Course offered online
📚 Cultural Literacy course