FRESHWATER SCIENCES (SCHOOL OF)

With a degree in freshwater sciences or atmospheric sciences, students can turn their passion for the environment into a fulfilling career. The School of Freshwater Sciences offers bachelor's, master's and doctoral degrees in freshwater and atmospheric sciences. These programs offer an interdisciplinary approach to training the next generation of scientists armed with the knowledge, skills, and experience to anticipate and address the environmental issues of the future.

Areas of study include:

- Freshwater Policy and Economics
- Freshwater System Dynamics
- Human and Ecosystem Health
- Freshwater Technology
- Weather and Climate

Undergraduate degree programs combine foundational coursework with multiple hands-on experiences to prepare students for the job market. Graduate degree programs offer extensive research and internship opportunities with faculty mentorship. Freshwater Sciences students have access to state-of-the-art labs and equipment, a genomics center, and research vessels that provide opportunities to develop skills in the latest scientific techniques. Atmospheric Sciences students meet all the requirements to be employed by the National Weather Service or another federal agency as a meteorologist.

Programs

- Atmospheric Science, BS (https://catalog.uwm.edu/freshwater-sciences/atmospheric-science-bs/)
- Atmospheric Science, Minor (https://catalog.uwm.edu/freshwater-sciences/atmospheric-science-minor/)
- Atmospheric Science, MS (https://catalog.uwm.edu/freshwater-sciences/atmospheric-science-ms/)
- Atmospheric Science, PhD (https://catalog.uwm.edu/freshwater-sciences/atmospheric-science-phd/)
- Freshwater Sciences and Technology, MS (https://catalog.uwm.edu/freshwater-sciences/freshwater-sciences-technology-ms/)
- Freshwater Sciences and Technology, MS: Professional Science (https://catalog.uwm.edu/freshwater-sciences/freshwater-sciences-technology-professional-science-ms/)
- Freshwater Sciences and Technology, MS: Professional Science: Water Policy, Economics, and Management (https://catalog.uwm.edu/freshwater-sciences/freshwater-sciences-technology-professional-science-water-policy-economics-management-ms/)
- Freshwater Sciences, BS: Aquatic Science (https://catalog.uwm.edu/freshwater-sciences/freshwater-sciences-aquatic-science-bs/)
- Freshwater Sciences, BS: Water Policy (https://catalog.uwm.edu/freshwater-sciences/freshwater-sciences-water-policy-bs/)
- Freshwater Sciences, Minor (https://catalog.uwm.edu/freshwater-sciences/freshwater-sciences-minor/)
- Freshwater Sciences, PhD (https://catalog.uwm.edu/freshwater-sciences/freshwater-sciences-phd/)

Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Rank</th>
<th>Degree</th>
<th>School</th>
<th>Graduate Faculty</th>
<th>Emeritus Faculty</th>
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<tbody>
<tr>
<td>Carmen Aguilar</td>
<td>Associate Scientist</td>
<td>PhD</td>
<td>University of Wisconsin-Milwaukee</td>
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<tr>
<td>Fred Binkowski</td>
<td>Senior Scientist</td>
<td>PhD</td>
<td>University of Wisconsin-Milwaukee</td>
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<tr>
<td>Harvey Bootsma</td>
<td>Associate Professor</td>
<td>PhD</td>
<td>University of Manitoba</td>
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<tr>
<td>Tracy Boyer</td>
<td>Professor</td>
<td>PhD</td>
<td>University of Minnesota</td>
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<tr>
<td>Arthur Brooks</td>
<td>Professor</td>
<td>PhD</td>
<td>Johns Hopkins University</td>
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<td>Michael Carvan</td>
<td>Shaw Professor</td>
<td>PhD</td>
<td>Texas A&amp;M University</td>
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<tr>
<td>Russell Cuhel</td>
<td>Senior Scientist</td>
<td>PhD</td>
<td>Massachusetts Institute of Technology and Woods Hole Oceanographic Institution</td>
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<tr>
<td>Dong-Fang Deng</td>
<td>Professor</td>
<td>PhD</td>
<td>University of California-Davis</td>
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<tr>
<td>A. Clark Evans</td>
<td>Professor, Atmospheric Science Program Coordinator</td>
<td>PhD</td>
<td>Florida State University</td>
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<tr>
<td>Tim Grundl</td>
<td>Professor</td>
<td>PhD</td>
<td>Colorado School of Mines</td>
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<tr>
<td>Laodong Guo</td>
<td>Professor</td>
<td>PhD</td>
<td>Texas A&amp;M University</td>
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<tr>
<td>John Janssen</td>
<td>Professor</td>
<td>PhD</td>
<td>Michigan State University</td>
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<tr>
<td>Jonathan Kahl</td>
<td>Professor</td>
<td>PhD</td>
<td>University of Michigan</td>
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<tr>
<td>Jerry Kaster</td>
<td>Associate Professor</td>
<td>PhD</td>
<td>University of Colorado</td>
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<tr>
<td>Rebecca Klapar</td>
<td>Interim Dean, Professor</td>
<td>PhD</td>
<td>University of Georgia</td>
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J. Val Klump  Professor  PhD  University of North Carolina-Chapel Hill
Sergey Kravtsov  Professor  PhD  Florida State University
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