BIOLOGICAL SCIENCES

Biology is the study of life. Biologists analyze organism functions at the cellular and molecular levels using genetics, biochemistry, and microscopy. They also study interactions between organisms and with the environment by examining behavior, morphology, physiology and genetics. Students can take a broad curriculum within Biological Sciences or focus on specific areas, such as ecology, evolution and behavior, cell and molecular biology, or microbiology.

Studies in Biological Sciences have applications across many areas including agriculture, medicine, and the environment. Biological Sciences is a popular choice for students preparing for careers in healthcare, agriculture, natural resources and environmental sciences, food management, bioremediation, as well as the biomedical and biotechnology fields. A degree in Biological Sciences also prepares students for professional careers in medicine, dentistry, pharmacy, veterinary science, and education, and graduate studies in the life sciences.

Field Stations

Pigeon Lake Field Station is a natural laboratory sponsored by the 14 campuses of the University of Wisconsin System, located in the Chequamegon National Forest, 30 miles from Lake Superior in northern Wisconsin's Bayfield County. Pigeon Lake Field Station offers summer programs in a variety of disciplines, including biology. Work completed at Pigeon Lake is credited as resident study by UWM. For additional information, contact the Biological Sciences Department office.

The UWM Field Station is an area of almost 2,500 acres devoted to the study of natural history and biology. Located about 25 miles north of campus on the Cedarburg Bog in the Town of Saukville, the station includes a wide variety of natural areas ranging from old-growth forest to acid bog and several lakes. Many biological sciences courses use the Field Station for instruction and to provide hands-on research opportunities. The Field Station provides internship and independent study opportunities for biology students; it also offers short courses for credit through the department. For additional information, contact the Biological Sciences Department office.

Programs

- Biological Sciences, BA (http://catalog.uwm.edu/letters-science/biological-sciences/biological-sciences-ba)
- Biological Sciences, BS (http://catalog.uwm.edu/letters-science/biological-sciences/biological-sciences-bs)
- Biological Sciences, Minor (http://catalog.uwm.edu/letters-science/biological-sciences/biological-sciences-minor)
- Biological Sciences, MS (http://catalog.uwm.edu/letters-science/biological-sciences/biological-sciences-ms)
- Biological Sciences, PhD (http://catalog.uwm.edu/letters-science/biological-sciences/biological-sciences-phd)
- Microbiology, BS (http://catalog.uwm.edu/letters-science/biological-sciences/microbiology-bs)

Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Rank</th>
<th>Degree</th>
<th>School</th>
<th>Graduate Faculty</th>
<th>Emeritus Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filipe Alberto</td>
<td>Associate Professor</td>
<td>PhD</td>
<td>University of Algarve, Portugal</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Sonia Bardy</td>
<td>Associate Professor</td>
<td>PhD</td>
<td>Queen's University, Ontario</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>John Berges</td>
<td>Professor</td>
<td>PhD</td>
<td>University of British Columbia</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Gerald Bergstrom</td>
<td>Professor</td>
<td>PhD</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Martin Boraas</td>
<td>Associate Professor</td>
<td>PhD</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Arthur S. Brooks</td>
<td>Professor</td>
<td>PhD</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>John Buntin</td>
<td>Professor</td>
<td>PhD</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>James R. Coggins</td>
<td>Associate Professor</td>
<td>PhD</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Mary Lynne Perille</td>
<td>Professor</td>
<td>PhD</td>
<td>Rutgers University</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Claire de la Cova</td>
<td>Assistant Professor</td>
<td>PhD</td>
<td>Columbia University</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Madhusudan Dey</td>
<td>Associate Professor</td>
<td>PhD</td>
<td>Jawaharlal Nehru University, India</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Peter Dunn</td>
<td>Distinguished Professor</td>
<td>PhD</td>
<td>University of Alberta</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Timothy Ehlinger</td>
<td>Associate Professor</td>
<td>PhD</td>
<td>Michigan State University</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Millicent S. Ficken</td>
<td>Professor</td>
<td>PhD</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Steven Forst</td>
<td>Professor</td>
<td>PhD</td>
<td>New York University</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Ralph Grunewald</td>
<td>Associate Professor</td>
<td>PhD</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Jennifer Gutzman</td>
<td>Assistant Professor</td>
<td>PhD</td>
<td>University of Wisconsin-Madison</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>R. David Heathcote</td>
<td>Professor</td>
<td>PhD</td>
<td>University of California, Berkeley</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Gerlinde Hoebel</td>
<td>Associate Professor</td>
<td>DNS, PhD</td>
<td>University of Ulm, Germany</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Sara B. Hoot</td>
<td>Professor</td>
<td>PhD</td>
<td>Michigan State University</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Reinhold Hutz</td>
<td>Professor</td>
<td>PhD</td>
<td>University of Colorado</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Jeffrey Karron</td>
<td>Associate Professor</td>
<td>PhD</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
</tbody>
</table>
Geoffrey S. Kennedy  
Associate Professor  
PhD  
Institute of Genetics, Moscow

Sergei Kuchin  
Associate Professor  
PhD  
Purdue University

Emily Latch  
Associate Professor  
PhD  
University of Wisconsin-Madison

Jakob Loewenberg  
Professor  
PhD  
Cornell University

Mark McBride  
Distinguished Professor  
PhD  
Northwestern University

Gretchen A. Meyer  
Adjunct Senior Scientist  
PhD  
University of Wisconsin-Madison

James R. Moyer Jr.  
Associate Professor, Psychology  
PhD  
University of Wisconsin-Madison

Julie A. Oliver  
Associate Professor  
PhD  
University of Wisconsin-Madison

Marianna Orlova  
Instrument Innovator  
PhD  
Institute of Genetics and Selection of Industrial Microorganisms, Moscow

Heather A. Owen  
Senior Scientist  
PhD  
Miami University

Andrew Petto  
Senior Lecturer  
PhD  
University of Massachusetts, Amherst

Ruth B. Phillips  
Professor  
PhD  
University of Wisconsin-Milwaukee

Gyaneshwar Prasad  
Associate Professor  
PhD  
Maharaja Sayajirao University of Baroda, India

Christopher C. Quinn  
Associate Professor  
PhD  
Yale University

Valeria Raicu  
Professor, Physics  
PhD  
University of Bucharest, Romania

James A. Reinartz  
Adjunct Senior Scientist  
PhD  
Duke University

Charles C. Remsen  
Professor  
PhD  
University of California, Riverside

Rafael Rodríguez  
Associate Professor  
PhD  
University of Kansas

Daad A. Saffarini  
Professor  
PhD  
University of Wisconsin-Milwaukee

Colin Scanes  
Professor  
PhD, DSc  
Technical University of Munich

Marius Schmidt  
Professor  
PhD  
University of Wisconsin-Madison

Dianne Seale  
Associate Professor  
PhD  
Queens University, Ontario

Cynthia V. Sommer  
Associate Professor  
PhD  
Brandeis University

Douglas Steeber  
Associate Professor, Chair  
PhD  
Brandeis University

J. Rudi Strickler  
Shaw Distinguished Professor  
PhD  
University of California, Los Angeles

Ava Udvadia  
Associate Professor  
PhD  
Duke University

Donna Van Wymsbergh  
Professor  
PhD  
University of California, Los Angeles

Eldon D. Warner  
Professor  
PhD  
University of Chicago

Roslyn P. Warren  
Professor  
PhD  
University of California, Riverside

Peter J. Wejksnora  
Associate Professor  
PhD  
Monash University (Melbourne, Australia)

Linda A. Whittingham  
Professor  
PhD  
The Chinese Academy of Sciences, Beijing, China