

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 (<https://catalog.uwm.edu/letters-science/biological-sciences/biological-sciences-ba/>)
- Biological Sciences, BS (<https://catalog.uwm.edu/letters-science/biological-sciences/biological-sciences-bs/>)
- Biological Sciences, Minor (<https://catalog.uwm.edu/letters-science/biological-sciences/biological-sciences-minor/>)
- Biological Sciences, MS (<https://catalog.uwm.edu/letters-science/biological-sciences/biological-sciences-ms/>)
- Biological Sciences, PhD (<https://catalog.uwm.edu/letters-science/biological-sciences/biological-sciences-phd/>)
- Microbiology, BS (<https://catalog.uwm.edu/letters-science/biological-sciences/microbiology-bs/>)
- Neuroscience, BS (Department of Biological Sciences) (<https://catalog.uwm.edu/letters-science/biological-sciences/neuroscience-bs/>)

Faculty

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

Jeffrey Karron	Associate Professor	PhD	University of Colorado	✓	
Geoffrey S. Kennedy	Associate Professor				✓
Sergei Kuchin	Associate Professor	PhD	Institute of Genetics, Moscow	✓	
Emily Latch	Associate Professor	PhD	Purdue University	✓	
Jakob R. Loewenberg	Professor	PhD			✓
Mark McBride	Distinguished Professor	PhD	University of Wisconsin-Madison	✓	
Gretchen A. Meyer	Adjunct Senior Scientist	PhD	Cornell University	✓	
James R. Moyer Jr.	Associate Professor, Psychology	PhD	Northwestern University		
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			✓
Gyaneshwar Prasad	Associate Professor	PhD	Maharaja Sayajirao University of Baroda, India	✓	
Christopher C. Quinn	Associate Professor	PhD	Yale University	✓	
Valerica Raicu	Professor, Physics	PhD	University of Bucharest, Romania		
James A. Reinartz	Adjunct Senior Scientist	PhD	Duke University	✓	
Charles C. Remsen	Professor	PhD			✓
Rafael Rodríguez	Associate Professor	PhD	University of Kansas	✓	
Daad A. Saffarini	Professor	PhD	University of Wisconsin-Milwaukee	✓	
Colin Scanes	Professor	PhD, DSc			✓
Marius Schmidt	Professor	PhD	Technical University of Munich		
Dianne Seale	Associate Professor	PhD			✓
Cynthia V. Sommer	Associate Professor	PhD			✓
Douglas Steeber	Associate Professor, Chair	PhD	University of Wisconsin-Madison	✓	
J. Rudi Strickler	Shaw Distinguished Professor	PhD	Swiss Federal Institute of Technology	✓	
Ava Udvadia	Associate Professor	PhD	Duke University	✓	
Donna Van Wynsberghe	Professor	PhD			✓
Eldon D. Warner	Professor	PhD			✓
Roslyn P. Warren	Professor	PhD			✓
Peter J. Wejksnora	Associate Professor	PhD	Brandeis University		✓
Linda A. Whittingham	Professor	PhD	Queens University, Ontario		✓
Charles F. Wimpee	Associate Professor	PhD	University of California, Los Angeles	✓	✓
Jane Witten	Associate Professor	PhD	University of Chicago		✓
Ching-Hong Yang	Professor	PhD	University of California, Riverside	✓	
Erica Young	Associate Professor	PhD	Monash University (Melbourne, Australia)	✓	
Dazhong (Dave) Zhao	Professor	PhD	The Chinese Academy of Sciences, Beijing, China	✓	