

ALBERT A. HOPEMAN, JR. SCHOOL OF SCIENCE, ENGINEERING AND MATHEMATICS

**DEPARTMENT FACULTY**

Lisa M. Antoszewski, Ph.D.

*Professor of Biology*

Jan F. Dudt, Ph.D.

*Professor of Biology*

Tracy S. Farone, D.V.M.

*Professor of Biology*

Karen P. Luong, Ph.D.

*Assistant Professor of Biology*

Ian P. MacFawn, Ph.D.

*Assistant Professor of Biology*

Kristina O. Pazehoski '01, Ph.D.

*Professor of Biology*

Devin L. Stauff '05, Ph.D.

*Professor of Biology*

Darren M. Wood, Ph.D.

*Assistant Professor of Biology*

Brian C. Yowler, Ph.D.

*Professor of Biology***DEPARTMENT DESCRIPTION**

The Department of Biology at Grove City College prepares students to excel in top medical, graduate and professional school programs, or to enter employment in research or professional sectors. With an emphasis on academic rigor and experiential learning, qualified students are given opportunities to gain research experience in the areas of cell biology, molecular biology, ecology, environmental biology, anatomy and physiology and biochemistry.

**MAJORS****Biology**

The Bachelor of Science degree in biology prepares students for professional programs, graduate study or employment in research or professional sectors. Students complete 52 credit hours of required coursework in addition to the College core curriculum.

**Biology major leading to 7-12 Certification in Biology and General Science**

Students studying biology at Grove City College may also prepare for careers in teaching and education by majoring in biology leading to 7-12 certification in biology and general science. Students complete courses unique to the biology major while fulfilling the required liberal arts and education core. In addition to the 100 credit hours of major coursework, students participate in real-life teaching situations during field experiences and student teaching.

**Biology/Health**

This specialized major is tailored to students who are seeking careers in medicine or other health fields. The 74 credit hours of coursework is targeted toward preparatory classes for further training those interested in becoming doctors, physician assistants, veterinarians, dentists, nurses and other health care professionals.

**Conservation Biology**

This specialized major is for students interested in careers in wildlife and natural resource management or graduate study in ecological, environmental, organismal or field sciences. Students complete 72 credit hours of coursework.

**Molecular Biology**

A Bachelor of Science degree in molecular biology is for students who want to pursue biotechnical careers, or who are looking at graduate study in biochemical, molecular, genetic or cellular biology-related fields. Students complete 72 credit hours of coursework.

**MINOR****Biology**

Students complete 22 credit hours of course requirements to minor in biology. The minor includes a minimum of six hours of courses chosen from the molecular mechanisms and physiology, vertebrate systems, natural history, or ecological diversity clusters of upper level courses in addition to core classes.

**UNDERGRADUATE RESEARCH OPPORTUNITIES**

The Department of Biology offers students the opportunity to perform meaningful and relevant research guided by experienced and accomplished faculty. Recent areas of investigation include cancer biology, apiculture and bee health, human pathogens, American chestnut tree genetics, metalloproteins, cell proliferation control in *Drosophila*, bioinformatics, the gut microbiome and intestinal integrity, and GIS applications for abandoned land mines. Students are equipped with cutting-edge technology and facilities to support their research activities.

**INTERNSHIPS**

The Department of Biology provides personalized guidance to its students in the arrangement of internship opportunities. The department helps connect students with alumni and employers that best complement their classroom learning experience and specialized interests. Under the guidance of a host supervisor and a Grove City College faculty member, internships introduce students to a wide array of clinical, research and field environments.

**CAREER AND GRADUATION OPPORTUNITIES**

Graduates are prepared to excel in top graduate, medical and professional programs as well as gain competitive positions in a wide range of professional sectors such as microbiology, environmental studies, forestry and natural resource management.

I chose Grove City College because of its values and atmosphere. One aspect of the Department of Biology that continues to impress me is how the faculty cares about students. Professors would know my name before I even had them in class. It's truly a challenging and collaborative learning environment.

— Matthew Fuchs '14

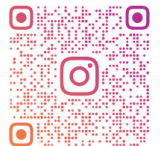
**CONTACT**

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Chair and Professor of Biology

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