



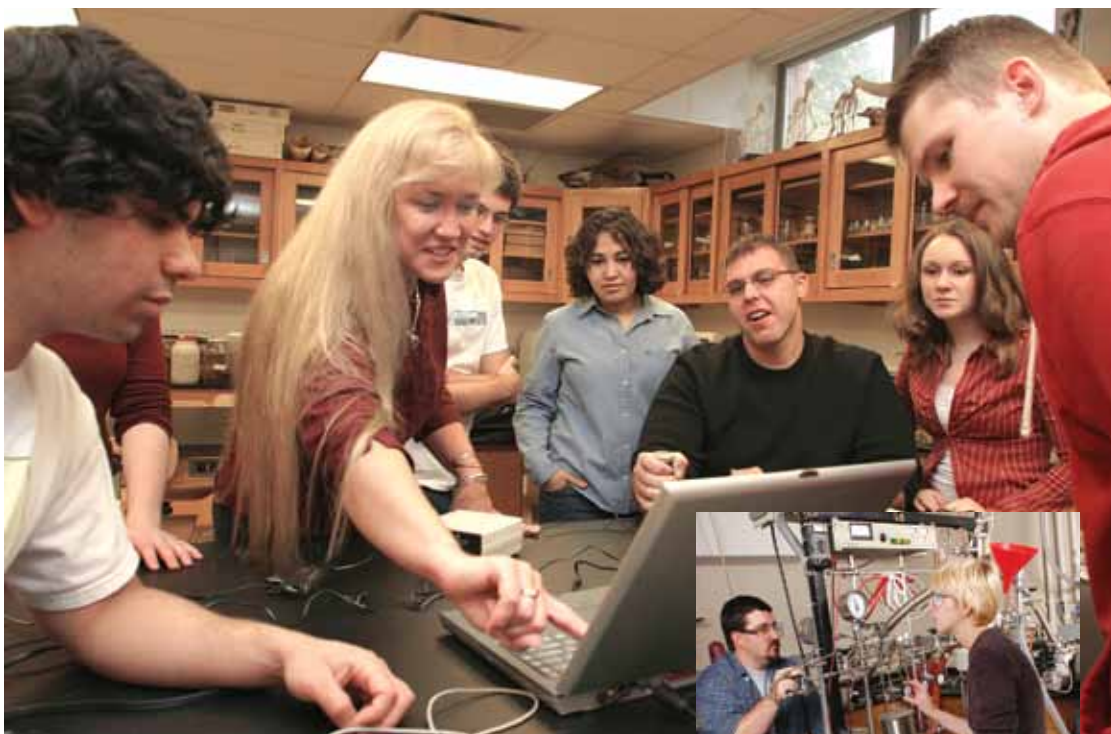
# Undergraduate Research

## OPPORTUNITIES

### NEARLY \$250,000 IN ANNUAL SUPPORT

At Penn State Behrend we believe that close student-faculty-staff interaction increases the chances for a student's educational success. To encourage that success we provide students with significant undergraduate research opportunities that reflect our small-university, hands-on philosophy.

Students from more than 30 undergraduate majors participate in the undergraduate research programs.



### Five programs provide opportunities for students to get involved:

- *Academic Year Research Grants*
- *Summer Research Fellowships*
- *Travel Grants*
- *Annual Research and Creative Accomplishment Conference*
- *Annual Research Award*

### Students accrue many benefits from their research involvement:

- *Receive up to \$1,900 per year*
- *Gain hands-on experience*
- *Work closely with scholars in their area of interest*
- *Learn about the latest technologies and information*
- *Build stronger, lasting relationships with faculty mentors*
- *Gain admission to more prestigious graduate schools*
- *Share the excitement of making new discoveries*
- *Present results at national and international meetings*

## Academic Year and Summer Research Fellowship Grants

These programs are designed to provide incentive for student involvement in research projects led by faculty members. Academic year grants are up to \$700 and summer fellowships are up to \$1,200. Students go through a formal proposal process, including selection of a faculty mentor, development of a research project, composition of a formatted proposal, and a rigorous review process.

### Annually, more than 100 grants are awarded. Examples include:

- *Consequences of Interplanetary Collisions between Terrestrial Planets and Jovian Satellite Systems*
- *Effects of Temperature on Clutch Size in House Wrens*
- *Development of New Ring Opening/Cyclocondensation Reactions of 3-Bromoisoxazoles*
- *Chess and Combinatorial Game Theory*
- *Analysis of Conflict and Conflict Management in Adolescents*
- *Science Activity Learning and Spatial Abilities in Fourth Graders*
- *Comparison of Fluent and ANSYS/CFX Software for Spinnaker Simulation*
- *Characterization of Siliconized Silicon Carbide*
- *Is Erie County Incubating Enough New Businesses?*
- *Erie Bankruptcy Pattern Compared to the Nation*

## Undergraduate Research and Creative Accomplishment Conference

The conference provides an opportunity for students to present their research and creative accomplishment results in a public setting. Students present their results either by poster or by oral presentation. The conference is cosponsored by the local chapter of Sigma Xi and includes students from other regional colleges and universities. Annually, more than 160 students participate.

## Research Award

The award recognizes students who have made research an integral part of their undergraduate education. Students are nominated from each of the college's four schools. The nomination process and subsequent selection process provide feedback to the students regarding both the quantity and quality of their research efforts. Students receive cash awards of \$200.

## Travel Grants

The college, in conjunction with the University's Office of Undergraduate Education, supports student travel to present posters or oral presentations at professional meetings. Up to two-thirds of the costs are covered. Annually, more than 100 Behrend students travel to conferences.

## For Further Information

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