



## 2012 Summer Research Program (SRP) May 21-August 13, 2012

Experience a life-changing summer by working with faculty members on exciting research projects! Join other motivated students for the School of Science summer research program. This 12-week program is a challenging opportunity to work on collaborative research projects under the supervision of School of Science faculty and staff.

### Program Highlights

- Gain employment as a paid student researcher for the summer
- Earn potential college-credits for research experience
- Become a researcher in a student-faculty collaborative team
- Profit from invaluable research experience that looks attractive to future employers and for to graduate and professional school programs
- Present research at an informal symposium
- Participate in seminars on topics such as career development, science ethics, and graduate school.
- Enjoy weekly lunches and social events for students to interact with other student-researchers and faculty members.

### Research Projects

School of Science-SRP participants will have the opportunity to carry out exciting original research in the following areas:  
**BIOLOGY**—cell biology, cancer biology, molecular biology, ecology, entomology, marine and environmental biology, reproductive biology

**CHEMISTRY, MEDICAL TECHNOLOGY, AND PHYSICS**—bioorganic chemistry, green synthetic chemistry, environmental analytical chemistry, nanotechnology and drug delivery

**COMPUTER SCIENCE**—computer networks, databases, cybersecurity, artificial intelligence, programming

**MATHEMATICS**—statistical applications of mathematics

**SOFTWARE ENGINEERING**—collaborative work with the Rapid Response Institute

**RAPID RESPONSE INSTITUTE**—homeland defense and emergency preparedness for natural and man-made disasters

**URBAN COAST INSTITUTE**—watershed management, coastal ecosystems, coastal law and policy, and other areas

### Eligibility

The program is open to undergraduate or MS-level graduate students. A limited number of openings are available for qualified high school students and incoming first-year students at Monmouth University. Most faculty research mentors who will be working with high school students are accepting rising seniors only.

*The School of Science appreciates our corporate sponsors for their generous support of the 2012 SRP.*



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For more information and to apply, visit the SRP Web site at [www.monmouth.edu/SRP](http://www.monmouth.edu/SRP). Completed applications must be submitted through the SRP Web site by March 2, 2012.