Brazil Scientific Mobility Program @ Roger Williams University

Roger Williams University

As a member of the Brazil Science without Borders Program (*Ciência sem Fronteiras*), Roger Williams University welcomes Brazilian undergraduate students pursuing intensive coursework in numerous disciplines:

- Aquaculture and Aquarium Science
- Architecture
- Biochemistry
- Biology / Marine Biology
- Chemistry
- Computer Science
- Engineering: Civil, Computer, Electrical, Mechanical
- Environmental Science
- Global Communication
- Graphic Design
- Mathematics
- Web Development
- *And Others…*

Additionally, RWU accepts BSMP students pursuing a graduate degree in Architecture (M.S. or M. Arch) or Information Systems / Cybersecurity (M.S.)

Roger Williams University @ Bristol, Rhode Island



RWU is an independent university that combines the unique strengths of a small liberal arts college and those of a large comprehensive university. BSMP@RWU participants have the opportunity to pursue state of the art education, applying best available technologies, while developing problem solving, reasoning, communications, and teamwork attributes that employers seek. Outside the classroom, students enjoy a wide variety of co-curricular, athletic, artistic, social and experiential, pre-professional opportunities and resources.

Located in Bristol, Rhode Island, a quaint, historic New England town, RWU is fortunate to occupy a lovely waterfront campus of over 57 hectares overlooking Narragansett Bay. Downtown Bristol is only minutes away and home to restaurants, ice cream shops, boutiques, and antique shops. Just over 30-minutes drive are scenic Newport and Rhode Island's capital city, Providence. Boston and Cambridge, Massachusetts are just over an hour away by car, and New York City is three and a half hours away.

Why BSMP@RWU?

Cutting Edge Technology RWU understands that a first class, high quality, secure technical environment is vital for learning, and recognizes the importance of best available technologies, across the disciplines, in building core skills vital to the professions. Engineering, computer, and science lab, studio, and fabrication spaces provide tools and room to develop technical and creative talents. Through an innovative partnership with Samsung, RWU's School of Architecture, Art, and Historic Preservation is transforming the learning environment through cloud computing and interactive whiteboard technology.

Personal Attention Small class sizes, personal interaction with professors and opportunities for student/faculty research at the undergraduate level are the hallmarks of a Roger Williams University education. At RWU, each BSMP participant is assigned a faculty advisor in their discipline who will serve as an academic mentor, assist the participant in class selection, and provide career advice. Frequent close interaction with faculty and peers fosters creativity, innovation, and networking.

Applied Learning BSMP@RWU participants are not only trained in the latest global technologies and methodologies, but also they have opportunity to apply their knowledge and skills to real world challenges, with real world clients. BSMP@RWU participants can gain first hand experience through Community Partnership Center project-based courses, facilitated by faculty who provide ongoing individualized guidance and feedback to each participant.

Summer Transitional Academy BSMP@RWU participants are eligible for a special intensive introductory program conducted over two weeks before regular international student orientation and fall classes begin. This innovative program lays groundwork for academic success at RWU, facilitates acclimatizing to the English language context, orients students to U.S. classroom practices, develops connections and networks with faculty and staff at the University, and launches students into engagement with the local culture and community. This introductory institute greatly enriches students' time in the program and is a highlight of the BSMP@RWU experience.

Academic Training and Career Development Support RWU@BSMP Advisors and Career Center staff stand ready to assist students in identifying potential academic training, internship, and research opportunities. Career Center staff also provide advice and assistance in resume writing, traineeship opportunity research, preparation for intervews, and professional engagement workshops. The annual STEM Career Fair brings potential STEM field employers and academic training hosts to campus to facilitate networking and opportunity development.

For more information, visit *www.rwu.edu/go/BSMP* or contact Michael Vieira, Director of International Recruitment, at *mvieira@rwu.edu* .

BSMP@RWU Academic Programs

Roger Williams University

RWU offers a wide variety of academic opportunities for BSMP students in the sciences, mathematics, engineering, architecture, design, computer science and information technology. Each participant's program is individually designed to provide first-rate education and training that emphasizes state of the art technology and methodologies. RWU is proud to offer personal attention and engaged learning with professors who are experts in their fields. A sample of some of the available programs at some of RWU's schools and colleges follows:



School of Engineering, Computing and Construction Management

- **Computer Science** provides a thorough grounding in computer science theory and applications to the design of complex software systems. Calculus, discrete mathematics, and probability and statistics form the foundation of this program.
- **Engineering** provides students with the knowledge and analytical skills for professional engineering practice or successful graduate studies. The program allows specialization in civil, computer, electrical, or mechanical engineering.

Feinstein College of Arts and Sciences



- **Aquaculture and Aquarium Science** develops knowledge and skills relating to aquatic animal husbandry, aquarium design and life support, hatchery management, ichthyology, and aquaculture. Centers of excellence include the Center for Economic and Environmental Development and Aquatic Diagnostic Laboratory.
- **Biochemistry** emphasizes the synergistic relationship between biology and chemistry. This track is suited for those seeking employment or graduate study in molecular biology, biotechnology, pharmacy or medicinal chemistry.



- **Biology** majors may choose a wide variety of courses in such areas as cell and molecular biology; microbiology; physiology and developmental biology; animal behavior; and ecology. Research is an integral part of the curriculum and students are encouraged to participate in ongoing research in such areas as evolutionary genetics, cell biology, developmental biology, microbiology, neurobiology, and ecology.
- **Chemistry** is designed to stimulate analytical reasoning and to develop laboratory skills while gaining an in-depth understanding of the molecular nature of our world. This track is suited for those seeking chemistry-related positions in business, government or industry, as well as those students who wish to continue their studies in graduate school or medical school.
- **Global Communication** prepares students for a career in a wide variety of fields and industries. Students develop awareness of cultural context and the interplay and complexities of communication dynamics; build understanding of the impacts and opportunities of technology and new media; and develop appropriate applied skills that enhance critical thinking, synthesis and problem solving capacities .
- **Graphic Design** is a contemporary blend of a liberal arts education and applied creative and technical skills. Graphic Design students extract information from their overall educational experience to shape visual messages that are thought-provoking, well researched, and well executed.
- **Environmental Science** develops deeper understanding of environmental systems and processes and how humans impact and benefit from them. Knowledge and skills gained from these courses will enable students to conduct research about and help solve humanity's environmental sustainability challenges from local to global scales.
- **Marine Biology** examines the biology of marine organisms, the ecology of the marine environment, and the application of these principles towards current issues in global conservation and marine resources.
- **Mathematics** provides the problem-solving and analytical skills needed to apply standard mathematical tools and appropriate computing technologies successfully to problems arising in a variety of real life situations.

School of Architecture, Art and Historic Preservation



- **Architecture** integrates human values in the design of the built environment in design studio, architectural history, building technology and sustainability related coursework, offering projects at local and international sites. The program encourages the mastery and skillful integration of the complex set of variables – artistic, technical and philosophical – which underlie the successful design of any constructed environment.

For more information about available programs, visit www.rwu.edu/go/BSMP .

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