

THE PSM/*BIO* CONNECTION

What is a PSM Degree?

The Professional Science Master's (PSM) degree is an innovative graduate degree that allows students to pursue advanced scientific training and to develop highly-valued business skills. PSM degrees prepare students for science and technology careers in industry, government, and nonprofit organizations. They typically consist of two years of academic training in an emerging or interdisciplinary area of science, mathematics, or technology and contain a professional component that includes an internship and "cross-training" in business and management.



THE PSM DEGREE

EDUCATING BIOSCIENCE PROFESSIONALS TO MEET YOUR WORKPLACE NEEDS



The PSM degree was developed in response to the demand for employees with sophisticated scientific, mathematical, and technological skills combined with business training. PSM degree students and graduates are a new breed of scientists specifically trained to meet

Today 70 colleges and universities offer 130 PSM degree programs, many in the biosciences. Funding from the **American Recovery and Reinvestment Act of 2009**, which will be allocated by the National Science Foundation, will jump start additional development of PSM degree programs, a necessary step towards benefiting both individual employers and improving our nation's ability to compete in a global environment.

employers' needs. Their industry-responsive training is fueled by the ongoing input and support of hiring companies involved in local employer advisory boards, internships and/or research projects where students apply their academic training to real-world challenges.

PSM degree programs are located across the United States, allowing employers to align their geographic recruitment goals and workforce development strategies with highly customized and effective university training that can contribute substantially to industry's hiring and internal recruitment efforts.

Over half of the current 2600 PSM degree students concentrate their studies in the biosciences, making it one of the most popular disciplines in this respected graduate program. Students are attracted to the diversity and innovation of the burgeoning biosciences field where many of the 2100 PSM degree graduates have found employment. Half of the students are already in industry and are supported by their employer to meet internal needs.

FROM THE NATIONAL RESEARCH COUNCIL

"Employers in the for-profit, nonprofit, and government sectors should partner with higher education institutions to create and sustain PSM programs. They should participate on employer advisory councils through which they can assist with and benefit from: program conception, curriculum development, mentoring, employer sponsored projects, internships, employment, and financial support."
Science Professionals: Master's Education for a Competitive World

PSM DEGREE PROGRAMS IN THE BIOSCIENCES

For complete contact information for PSM degree programs in the biosciences, go to <http://www.npsma.org/bio2009.html>

EAST

American University	Biotechnology
Northeastern University	Biotechnology, Marine Biology, Bioinformatics
Penn State University	Biotechnology
Rochester Institute of Technology	Bioinformatics
St. John's University	Biotechnology
Temple University	Chemical Informatics
University of Buffalo	Molecular Chemical Biology
University of Connecticut	Applied Genomics, Microbial Systems Analysis
University of Maryland, Baltimore County	Biotechnology
University of Maryland University College	Biotechnology Management, Bioinformatics

MIDWEST

Case Western Reserve University	Biotechnology
George Washington University	Molecular Biotechnology
Grand Valley State University	Cell and Molecular Biology, Biostatistics, Medical Bioinformatics
Illinois Institute of Technology	Biology
Michigan State University	Industrial Microbiology, Zoo and Aquarium Science
Southern Illinois University Edwardsville	Biotechnology
University of Illinois at Urbana-Champaign	Bioenergy
University of Michigan	Biotechnology
University of Northern Iowa	Bioinformatics

SOUTH

Georgia Institute of Technology	Bioinformatics
Middle Tennessee State University	Biostatistics, Biotechnology
North Carolina State University	Microbial Biotechnology
Texas A&M University	Biotechnology
University of Arizona	Applied Biosciences
University of North Carolina at Charlotte	Bioinformatics
University of North Texas	Molecular Biology
University of South Carolina	Biotechnology, Bioinformatics
University of South Florida	Biotechnology, Bioinformatics
University of Texas at El Paso	Bioinformatics
Virginia Commonwealth University	Bioinformatics



WEST

Arizona State University	Computational Bioscience
California State University, Channel Islands	Biotechnology, Bioinformatics
California State University, East Bay	Biostatistics
California State University, Fresno	Biotechnology
California State University, Fullerton	Applied Biotechnology Studies
California State University, Los Angeles	Applied Biotechnology Studies
California State University, Pomona	Applied Biotechnology Studies
California State University, San Marcos	Biotechnology
Keck Graduate Institute of Applied Life Sciences	Medical Devices, Pharmaceutical Devel't, Bioprocessing, Regulatory Affairs
Oregon State University	Applied Biotechnology, Applied Systematics in Botany
San Jose State University	Biotechnology, Medical Product Development Management
Stanford University	Biomedical Informatics
UC Santa Cruz	Bioinformatics
University of Arizona	Applied Biosciences
University of British Columbia	Bioinformatics
University of Utah	Biotechnology