

Professional Science Master's Programs

SCIENCE-BASED EMPLOYERS ARE LOOKING FOR PROFESSIONALS WHO POSSESS SCIENCE OR MATHEMATICS KNOWLEDGE AS WELL AS BUSINESS FUNDAMENTALS, PROJECT MANAGEMENT, TEAM-BUILDING, AND COMMUNICATION SKILLS. BY EARNING A PROFESSIONAL SCIENCE MASTER'S (PSM) DEGREE, YOU CAN ACQUIRE THESE DESIRED WORK SKILLS AND GAIN AN ADVANTAGE IN TODAY'S INCREASINGLY COMPETITIVE JOB MARKET.

What is a Professional Science Master's Degree?

The PSM is an innovative graduate degree designed to allow students to pursue advanced training and excel in science without a Ph.D., while simultaneously developing highly-valued business skills without an MBA. PSMs prepare students for science careers in business, government, or non-profit organizations, where workforce needs are increasing. Programs are characterized by “science-plus,” combining rigorous study in science or mathematics with skills-based coursework in management, policy, or law. Most require a final project or team experience, as well as a “real-world” internship in a business or public sector enterprise.

PROGRAM FIELD EXAMPLES:

Bioinformatics
Computational Chemistry
Environmental Science
Forensic Science
Human-Computer Interaction
Industrial Mathematics
Industrial Microbiology
Physics with Business Applications
Quantitative Finance

PSM PROGRAMS ...

- Emphasize written and verbal skills, leadership, and team building
- Include project or team experience as opposed to thesis
- Provide connections to potential employers through internships
- Can accommodate working professionals

What do you learn in a PSM Program?

Most PSM programs are interdisciplinary. Physics majors may wish to study physics entrepreneurship, health physics, or nanoscale physics, while microbiology students might choose a PSM in food safety, microbial systems analysis, or industrial microbiology. Additionally, PSM students learn career search skills, and some interact from their first day on campus with local business and public sector employers, who act as advisors to their program. It is this close cooperation with local employers that guarantees that the skills and subject matter taught are cutting edge and relevant.

Who hires PSM degree graduates?

Employers of recent PSM graduates in the biosciences range from large, multinational pharmaceutical companies to newer biotechnology companies. Graduates with an interest in intellectual property and technology transfer are working with the federal government or for university technology transfer operations, while financial mathematics graduates are popular hires for banks, brokerage houses, and the insurance industry. Forensic chemists are finding exciting opportunities with state and local forensic laboratories. Regardless of the employment sector, PSM graduates are finding exciting, well-compensated careers.

Where can I find additional information?

Search for PSM programs in your field of interest at www.sciencemasters.com or contact the Council of Graduate Schools at profmasters@cgs.nche.edu to learn more about the PSM initiative.

