

Professional Science Master's Programs

IN TODAY'S COMPETITIVE GLOBAL MARKETPLACE, THE U.S. WORKFORCE NEEDS SKILLED PROFESSIONALS WHO COMBINE ADVANCED SCIENCE OR MATHEMATICS KNOWLEDGE WITH EXPERTISE IN COMMUNICATIONS, PROJECT MANAGEMENT, AND OTHER BUSINESS FUNDAMENTALS. THE PROFESSIONAL SCIENCE MASTER'S (PSM) DEGREE PREPARES GRADUATES WITH THOSE SKILLS AND MORE.

What is a Professional Science Master's Degree?

The Professional Science Master's (PSM) is an innovative, new graduate degree designed to allow students to pursue advanced training in science, while simultaneously developing workplace skills highly valued by employers. PSM programs prepare graduates for careers in business, government, or nonprofit organizations, combining rigorous study in science or mathematics with coursework in management, policy, law or related fields. Along with an emphasis on writing, leadership and communication skills, most PSM programs require a final project or team experience, as well as a "real-world" internship in a business or public sector enterprise.

QUICK FACTS:

- PSMs are currently offered by:
 - Over **100** programs
 - Over **50** institutions
- **1,300+** students enrolled annually
- PSM Graduates:
 - **1,300+** since 1997
 - About **85%** are U.S. citizens
 - About **54%** are women

Program Examples

PSM Degree	Science/Technology Courses	+	Professional Skills
Forensic Science	Drug Chemistry/Toxicology, Molecular Biology, Quantum Chemistry	+	Case Law, Expert Witness Testimony, Formal Reports, Library Skills, Rules of Evidence
Applied Industrial Mathematics	Differential Equations, Linear Algebra, Matrix Theory	+	Leadership, Organizational Decision Making, Strategic Human Resources Management
Bio/Pharmaceutical Discovery and Development	Clinical Biostatistics, Clinical Trial Design, Gene Expression Systems, Proteomics	+	Applied Entrepreneurship, Bioscience Business Strategy, Intellectual Property and Licensing, U.S. Regulatory Affairs
Applied Computing	Modeling, Network Design, Network Security, Simulation	+	Conflict Resolution, Negotiation, Presentation Skills, Project Management, Writing

How Does the PSM Enhance U.S. Competitiveness?

- **National Scope.** PSM programs directly respond to the national need for a stronger scientific workforce by preparing individuals with expertise in science and mathematics in combination with professional skills including communication and project management that are highly valued in the marketplace.
- **Regional Strength.** Partnerships with local employers are integral to PSM programs, ensuring that they remain responsive and adaptive to current and future workforce needs.
- **Institutional Innovation.** The interdisciplinary nature of the PSM program fosters collaboration between multiple departments, schools, and fields within colleges and universities.
- **Student Benefit.** With competitive salaries and exciting opportunities awaiting them upon completion of their degrees, students find the PSM program a compelling reason to remain in science, math, and technology fields.

Where can I find additional information?

Search for PSM programs in your state at www.sciencemasters.com and learn about the PSM initiative at www.cgsnet.org.

