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Please visit our website for more information and a complete listing of programs and participating institutions www.flpsm.org

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PSM

PROFESSIONAL SCIENCE MASTER'S INITIATIVE
STATE *of* FLORIDA

Growing the Workforce of the Future Today

Employer's Brochure

www.FLPSM.org

What is a PSM?

PSM Degree

A STEM program that translates science to business

The PSM is a new kind of degree that prepares graduates for work in active science, combines technical competencies with workforce skills, and leads to careers outside of academia.

Elements of PSM

This two-year degree includes four key elements:

1. Industry advisory board;
2. In-depth study in a science driven field;
3. Industry internship; and
4. Professional development courses intended to emphasize written and oral communication, leadership, business, and team-building skills

What kind of programs are there?

These programs will assist Florida in economic development and building a workforce that serves these industry clusters important to the future of Florida's economy. The Florida Statewide Initiative is developing 28 PSM programs in the state to promote workforce and economic development, by more closely aligning education and careers. These 28 programs are being developed in the following five industry sectors:

Biotechnology

Planned PSM programs include Bioinformatics and Computational Biology, Pharmaceutical Chemistry, and Medical Biotechnology that are planned for this industry sector.

Environmental / Sustainability

Planned PSM programs include Environmental Science, Aquatic Science, and Conservation Biology

Forensics / Homeland Security

Planned PSM programs include Digital Forensics and Forensic Science

Healthcare

Planned PSM programs include Healthcare Informatics, Medical Informatics, and Medical Physics.

Simulation / Aviation

Planned PSM programs for this sector include the joint Modeling and Simulation PSM program between Embry-Riddle Aeronautical University and the University of Central Florida.

What will PSM students offer me?

Interdisciplinary scientists.

PSM students receive advanced training at the cutting edge interfaces of science and technology. The combination of science with workplace skills and experience means PSM graduates who are prepared, saving employers time and money in professional development.

Excellent communicators.

PSM programs attract students who:

1. Are looking for scientific careers in business, government, or nonprofit sectors
2. Thrive in team-oriented environments and
3. Seek career advancement.

Innovative problem-solvers.

The PSM capstone experience is a team oriented, multidisciplinary research project addressing challenges and opportunities in the real world. The PSM graduate's capstone and internship experiences prepare them to hit the ground running for your company.

Quick Facts

- There are over 200 programs at nearly 100 colleges and universities in 30 states and the District of Columbia.
- In the last year alone, the number of PSM programs grew 33 percent; the first nationwide program was started in 1997.
- In academic year 2008-2009 there were over 2,600 students enrolled in PSM programs.
- The American Recovery and Reinvestment Act of 2009 includes $15 million for the development of PSM programs through the National Science Foundation.

How can I get involved?

- **Offer** paid internships
- **Participate** in curriculum development of programs
- **Present** real world examples for use in classes and projects within program
- **Discuss** benefits of PSM programs with employees, Florida Board of Governors, Florida Legislature, Workforce Agencies
- **Offer to serve on PSM advisory boards or the statewide advisory board**
- **Hire PSM graduates**
- **Sponsor a member of your workforce.**

PSM