

The Professional Science Masters Degree: A New Type of Master's Degree in Chemistry

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The professional science master's degree in analytical chemistry at Illinois Institute of Technology offers a number of advantages in career and educational development of professional chemists in industry, government laboratories and in community colleges.

The curriculum includes courses that cover fundamental aspects of separation science, spectroscopy, electrochemistry and physical characterization methods. In addition to these courses, the students are required to complete a professional component which includes courses in communication, leadership, statistics and project management.

Classes are available in a "traditional" fashion as well as online; thus, giving students the opportunity to view lectures at their convenience. In this poster, the pros and cons of the professional science master's degree will be highlighted; feedback from our students and from the various industries that employ or employed these students will also be mentioned.


ILLINOIS INSTITUTE
OF TECHNOLOGY

ANALYTICAL CHEMISTRY and MATERIALS & CHEMICAL SYNTHESIS
Professional Science Master's Degrees

D. Nguyen and E.S. Friedman, *Illinois Institute of Technology*, Chicago, IL, USA

ONLINE EDUCATION

Established in 1996, IIT's Master of Chemistry degree is one of the oldest and most successful PSM programs in the nation. Courses are designed for working chemists who have on the job laboratory research experience.



IIT understands the importance of technical and scientific work conducted in non-academic laboratories, and thus places a strong emphasis on the applied aspects of chemistry. We work closely with our industrial advisory board to keep our curriculum relevant and up-to-date.


Quality is NOT compromised!

The problem of attending courses at a particular time can be a serious obstacle to earning a graduate degree. Often employees are required to travel on business, work over-time, or relocate to another site. ONLINE education may be the only opportunity for career development.

Great advances in technology have led to changes in educational delivery methods which meet the needs of our expanding world.

www.iit.edu/csl/bcps/psm

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Faculty Instructors with extensive experience in business, industry, military, and government share their expertise with students.

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May 2009 graduates, clockwise from left: Philip Reksel (Eli Lilly), Anthony Kouba (Nalco), and Lakshmi Subbarao (Thar SFC, a Waters Company) with program director Professor Diep Nguyen.


Analytical Chemistry ONLINE

- Ethics and Business Principles
- Communicating Science
- Critical Analysis of Data
- Team Leadership
- Technical Depth

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Analytical Chemistry Alumni are highly motivated and enterprising individuals. As students, they held full-time jobs, raised families, participated in community activities, and pursued personal interests, yet still found the time and effort to pursue their graduate degree. This was made possible through IIT ONLINE.



The PSM program at IIT has allowed me to pursue my graduate degree at my convenience while building the skills needed to do my job. Shannon Hoffman, 2009 graduate, (Procter & Gamble)