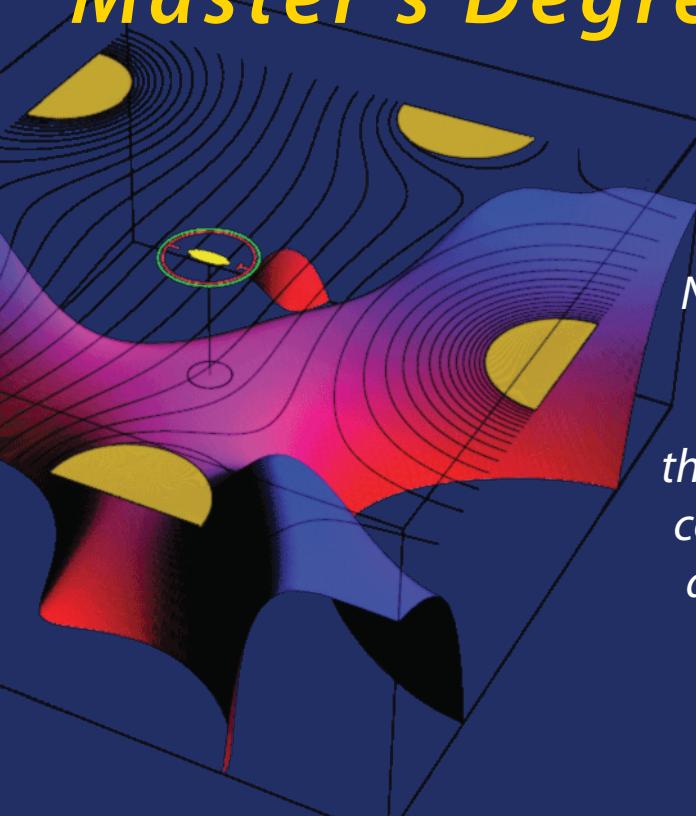


Master of Science in Engineering Program **NANOTECHNOLOGY**

The University of Pennsylvania announces a Master's Degree Program in Nanotechnology.

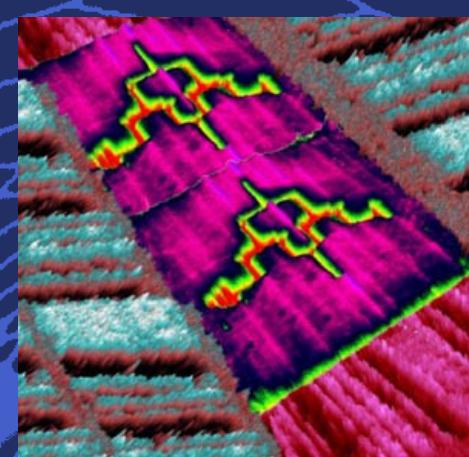


Nanotechnology is the exciting field enabling solutions in alternative energy, medical diagnostics and therapeutics, next generation wireless communications. Both evolutionary and revolutionary nanotechnology advances are driving innovation.



- Nanotechnology is predicted to be a \$1.5 trillion industry generating in excess of 2 million new jobs.
- Nanotechnology impacts almost every technology sector.
- A Nanotechnology Master's is an interdisciplinary degree that positions graduates to take a leading role in technology in:

- Energy
- Healthcare
- Environmental Protection
- Communication
- Transportation
- Civil Defense / Homeland Security



- This interdisciplinary program draws on world recognized faculty and courses in the School of Engineering and Applied Science, the School of Arts and Sciences, and Wharton.

Serving Students From Various Backgrounds

Recent Undergraduates: Students coming directly from undergraduate degrees have backgrounds in physics, chemistry, electrical bioengineering, materials science, mechanical engineering, systems engineering, biomedical engineering, and applied science, or chemical engineering.

Professionals: Those coming from industry may come from electronics, materials, biomedical, alternative energy, civil defense, or sustainable development sectors. Students with experience in large corporations and small start-ups benefit from the program.



An Individualized Educational Experience

The Master's Degree in Nanotechnology offers curricula options that are individually tailored to enable each student to meet their specific career goals. In addition to the structured courses, students access a rich variety of seminars by international experts, and develop a diverse professional network.

Examples of curricula with focus on Nanotechnology in issue in alternative energy, medical devices, molecular probes, nanomechanical systems, electronic devices, materials, etc can be found on our web site.

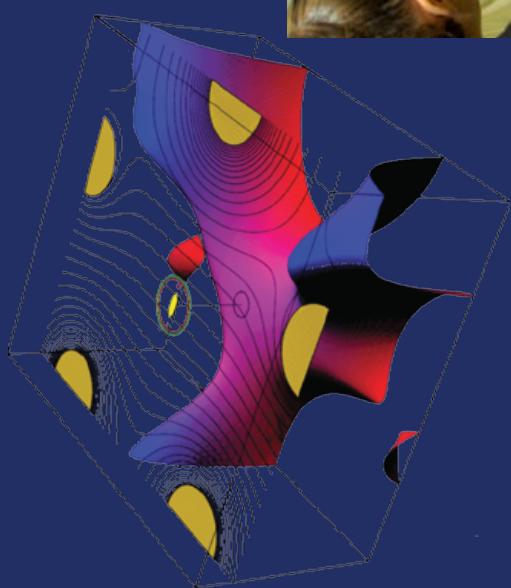


Degree Requirements

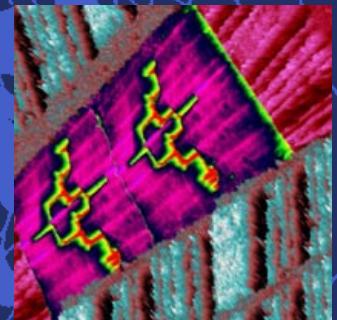
In conjunction with a faculty advisor, students select from over 50 courses to construct a curriculum that meets the following requirements.

10 course units:

- Two required courses: Fundamental Concepts of Nanotechnology, and Nanoscale Science and Technology
- Two from Synthesis, Materials and Nano Fabrication
- Two from Devices and Fundamental Properties
- Two from Biotechnology
- Two from Societal Implications, Technology Management and Commercialization



The University of Pennsylvania announces a Master's Degree Program in Nanotechnology.



For more information contact

Nano/Bio Interface Center (NBIC)
3231 Walnut St.
Philadelphia, PA 19104-3233

Phone: 215-746-3210
Email: nanomast@seas.upenn.edu
Website: www.masters.nano.upenn.edu

