SPRING 2014

NYU | POLYTECHNIC SCHOOL OF ENGINEERING

ENTERPRISE LEARNING

Enterprise Learning
Newsletter

Grad Students Rush to Register for Online Courses Taught by All-Star Industry Faculty

A notable strength of NYU Engineering's online program is its high-profile industry faculty. Variously known as "industry professors" or "white-hat hackers," these all-star instructors hail from such top high-tech firms and agencies as Twitter, McAfee and Homeland Security. Included are instructors from Goldman Sachs, General Motors and Jet Blue, among other Fortune 500 companies. They bring in-the-trenches knowledge not often found in academic settings. Some are so sought after that eager graduate students close out their classes within minutes.

NYU's Online Engineering Master's Ranked Top by U.S. News & World Report

BEST ONLINE PROGRAMS
U.S. News & WORLD REPORT
GRAD ENGINEERING 2014

For the second year in a row, NYU Polytechnic School of Engineering was placed on the *U.S. News & World Report* honor roll. Ranked No. 12 of the 2014 Best Online Graduate Engineering Programs, NYU-ePoly, the school's online unit, is one of nearly 1,000 surveyed and analyzed. Only regionally accredited schools that meet federal standards for entirely online delivery are evaluated.

The online program gives professionals 24/7 access to an award-winning online platform, with virtual courses available in cybersecurity and, electrical, computer, industrial, manufacturing and systems engineering.

Last fall, NYU-ePoly launched its new online Organizational Behavior master's degree program, powered by Live Virtual Learning (LVL), an HD video streaming system equipped with a two-way conference line to encourage interaction with remote learners. In a special arrangement this summer, NYU-ePoly will deliver its first-ever online Management of Technology master's degree program exclusively to IBM employees worldwide.

Scientific American *Online Professional Learning Partnership Launched this Spring*

SCIENTIFIC AMERICAN™

In an innovative joint venture, NYU Polytechnic School of Engineering's partnership with *Scientific American* launched its first weeklong, non-credit, online professional course in March, "Cognition and the Aging Brain". Students participated from the United States, Europe, Latin America and Asia. The second course, "Bioinformatics: How to Analyze the Human Genome," was delivered in April, 2014.

Upcoming in the 2014 schedule are courses in disaster management, transportation engineering, cosmology and other fields. Using active-learning techniques, these courses incorporate multimedia, drag-and-drop quizzes, video, voiceover, peer-to-peer learning, and interactive tools—features now being introduced in the school's online master's courses.

Stream of Fortune 500 Companies Join NYU Engineering to Offer Master's to High-Tech Personnel

IBM, Booz Allen, ManTech and BNY Mellon follow a string of other Fortune 500 companies this year who have partnered with NYU School of Engineering in efforts to heighten the skills of their technical and management employees. NYU-ePoly, the school's online learning unit, now serves more than 1,500 graduate students in advanced studies in cybersecurity, management of technology and other in-demand fields.
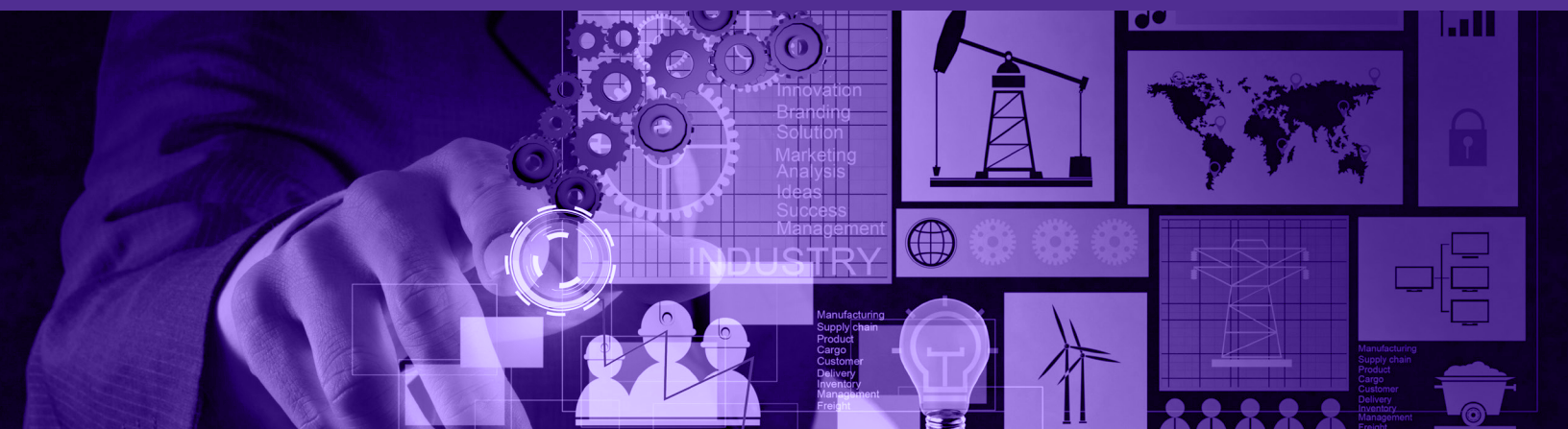
IBM   **Booz | Allen | Hamilton**   **ManTech**   **BNY MELLON**

Corporate students must leap the same academic bar as others to qualify for admittance into the school's rigorous master's program. To ensure remote students receive the same curriculum as those on campus, the school created a virtual cyber laboratory, known as VITAL, where students perform virtual hands-on experiments to reinforce concepts delivered in online lectures. Online students participate in real-time and e-discussions, stimulated by chat, texting, forums and other methods.

White House Kicks off Cyber Infrastructure Framework Tour at NYU Engineering/ Sloan Lecture

The Obama Administration chose NYU Engineering's fourth Sloan Cyber Lecture in March to kick off its national tour, releasing guidelines aimed at protecting our essential infrastructure from cyberattack. A panel of senior Administration officials and industry executives explored the wide-ranging impact of the President's new Cyber Security Framework on business. More than 1,100 attended on campus and viewed the four lectures in the series worldwide via HD video streaming.

Phil Venables, Goldman Sachs Cyber Executive, Elected to NYU Engineering Board

Phil Venables, one of our most valued Enterprise Learning Board members and a widely respected cybersecurity industry authority, has been elected to the board of NYU Polytechnic School of Engineering. As a longtime supporter of the school's online learning graduate program in cybersecurity, Venables has participated in a number of high-profile university events—delivering a luncheon talk at a Sloan/NYU Engineering Cyber Lecture, and most recently, addressing an Engineering School financial industry roundtable. Venables is chief information risk officer at Goldman Sachs, where he leads the company's Information Security, Technology Risk and Business Continuity Programs. He is a Goldman Sachs managing director and partner. Before joining the firm, Venables held numerous information security and software engineering roles at various finance, defense and energy companies. As a member of the Executive Committee of the U.S. Financial Services Sector Coordinating Council and the board of directors of the Center for Internet Security, Venables earned a BSc (Hons) in computer science at York University and his MSc in computation and cryptography at Queen's College, Oxford University. Awarded the designation of Chartered Engineer and Chartered Scientist, he is a Fellow of the British Computer Society.