



Enterprise Learning

Newsletter

NYU Polytechnic School of Engineering Delivers Online Courses on Mobile Security, Big Data, and Cloud Computing to Top Companies

New 3-Course Certificate Hits Key Corporate Tech Objectives

Technology-driven companies, looking to upskill employees in cybersecurity, mobility, big data analytics, and cloud computing, are turning to NYU Polytechnic School of Engineering for 3 online learning courses in a new certificate, starting in January 2015, to satisfy demand for top tech talent in these strategic fields. Clients are now encouraging employees to enroll in the 3-course series, which can be completed in 1 year in a trimester schedule. Students who enter the lock-step series earn 9 credits that may be applied to a qualifying master's degree (for details, see www.engineering.nyu.edu/ect).

The Mobile Security course covers the massive transformation in which mobile devices outnumber computers worldwide. Since smartphones and tablets provide convenient anytime, anywhere access to the internet, they have become enticing targets for cybercriminals. The course explores the growing

threat to mobile devices, networks, and services delivered over mobile infrastructure. Big Data Analysis offers insights into the storage, organization, and processing of data at a scale and efficiency that go well beyond the capabilities of conventional information technologies. It reviews state-of-the-art big data analytics, including various platforms, models, and languages, as well as applications that perform massive data analysis and how they can be implemented on big data platforms. In Cloud Computing: Concepts and Practice, participants learn how to use a cloud, write cloud applications, and build their own private cloud. Both Infrastructure as a Service (IaaS) and Platform as a Service (PaaS) cloud technologies and concepts will be covered.

NY State Approves NYU School of Engineering Online MS in Electrical Engineering; 10th Virtual Graduate Program Now Available Worldwide

In a continuing vote of confidence in NYU School of Engineering's online graduate program, the New York State Education Department this summer approved online delivery of the school's master's in electrical engineering, its tenth fully online graduate degree. While numerous electrical engineering virtual courses have been offered previously to remote and on-campus students,

state approval supports new online delivery options, including Live Virtual Learning (LVL) courses, and streaming lectures in high-definition video to off-campus students, allowing them to participate in real time. Sixteen online courses in electrical engineering are offered this fall (for details, see www.engineering.nyu.edu/online).

NYU School of Engineering Named NSA Center of Academic Excellence in Cyber Operations



The National Security Agency (NSA) and the United States Cyber Command have named the NYU Polytechnic School of Engineering as a National Center of Academic Excellence in Cyber Operations, the first in New York to earn the designation and 1 of only a handful in the country to be named all 3 Center of Excellence designations. The new honor acknowledges that the school maintains a deeply technical, interdisciplinary graduate-level program with extensive opportunities for hands-on learning. Launched in 2012, the Centers of Academic Excellence (CAE) in Cyber Operations is the third such program overseen by the agency.

The CAE in Information Assurance Education was introduced in 2001, when the school was 1 of the first to earn the designation. Shortly afterward, NYU School of Engineering earned the CAE in Information Assurance Research. Designed to cultivate cyber professionals, the 3 awards are an outgrowth of the President's National Initiative for Cybersecurity Education.

The school's cybersecurity master's is offered entirely online as well as on the Brooklyn campus. More than 100 graduates have gone on to fulfill careers as developers of security products, security application programmers, security analysts, penetration testers, vulnerability analysts, and security architects. Fortune 500 partners that support their personnel in earning the MS in Cybersecurity include Goldman Sachs, Northrop Grumman, SAIC, IBM, and Booz Allen Hamilton, among others.



Sloan Extends Acclaimed Cybersecurity Lecture Series, Supporting 4 More

Alfred P. Sloan Foundation has extended the highly acclaimed NYU School of Engineering Cybersecurity Lectures, supporting the series with additional funding for another 4 lectures. The series provides a highly visible opportunity for noted experts in cybersecurity to uncover dangers and threats to the public. The first 4, offered over the last 2 years, attracted more than 1,000 attendees on the Brooklyn campus and in HD video streaming broadcasts. Internationally renowned experts will be invited to lead the next sessions, with accompanying expert panels, on internet trust, cyber risk, women in cybersecurity, and surveillance and censorship in cyberspace (for details, see www.engineering.nyu.edu/sloanseries/).

ePolyConnect, Online Student Orientation Site, Launched This Summer

NYU-ePoly launched its new orientation website, ePolyConnect (epolyconnect.poly.edu) to acclimate online students to the School of Engineering's new learning platform, NYUClasses, among other applications. The site delivers brief tutorial videos and instructions, with links to student services and online learning tips. Available throughout student academic careers, it assists them in navigating NYU School of Engineering's virtual education portal successfully. In addition to NYUClasses, the site also links to NYUHome, NYUMeetings, NYUStream, and other student services. Live student webinars also help students persist to complete their graduate degrees.

Enterprise Learning Staff to Deliver Talks at Online Learning Consortium Conference; Premier Virtual Education Society Celebrates 20th Anniversary

At its annual international Online Learning Consortium (formerly Sloan Consortium) Conference this October (www.onlinelearningconsortium.org/conference/2014/ALN/welcome), Enterprise Learning staff Robert Ubell, John Vivolo, and Jessie Guy-Ryan will deliver talks to more than 1,000 attendees, representing virtual education experts across the nation and abroad. Vice dean; Ubell, and online learning director; Vivolo, will jointly give a presentation on "Fighting the Tide: Understanding and Combating Resistance to Online Learning," exploring strategies for addressing institutional and faculty resistance to online education. Instructional designer; Guy-Ryan, will offer insights into Active Learning Modules in "But How Do We Know They're Paying Attention?" She will review student engagement in the school's online Professional Learning joint venture with Scientific American (www.scientificamerican.com/professional-learning/courses/). The Online Learning Consortium is the premier professional society in virtual education, launched at the dawn of online learning, 20 years ago.

NYU School of Engineering Online Courses Adopt NYUClasses, The School's New Learning Management System

NYU's new learning management system, NYUClasses, will be fully integrated into the School of Engineering's online learning courses this fall. With the completion of the merger this year, the School of Engineering has adopted NYU's open-source system. In addition to offering

features similar to those found on Blackboard, the school's previous LMS, NYUClasses also provides new delivery options. With innovative customization features, the new system allows faculty to create learning spaces closely matching their teaching styles.

Third Annual Conference for Human Capital Innovation in Technology & Analytics Attracts Industry Professionals

Over the past 3 years, NYU Polytechnic School of Engineering's Department of Technology Management & Innovation has hosted the conference series, Human Capital Innovation in Technology and Analytics (HCI). In April, hundreds attended this year's event on campus and online on "Predicting Engagement & Performance Using Human Capital Data Analytics." Eight distinguished

guest speakers delivered presentations, followed by a panel discussion led by director of talent management and analytics at JetBlue Airways and NYU industry professor; Andrew Biga. Speakers were drawn from The Conference Board, Alcoa, PepsiCo, Gallup, and Accenture, among other companies (for details, see www.engineering.nyu.edu/hci).

Enterprise Learning Board Welcomes 4 Notable New Members



Amy Lui Abel, managing director of human capital at The Conference Board, leads research on human capital analytics, leadership development, labor markets, strategic workforce planning, talent management, diversity and inclusion, among other fields. Previously, she served as a director of leadership development

at Morgan Stanley. Earlier, she held various posts at Accenture, Adobe Systems, and JPMorgan Chase. Abel has taught at NYU's Stern School of Business and has served on the board of directors for the the Association for Talent Development, New York Metro Chapter, New York Chapter. Named "Outstanding Alumni of the Year" by NYU's Business Education Program, her doctoral research about corporate universities and

organizational learning was recognized for “Best Workplace Learning Dissertation” by the American Educational Research Association Workplace Learning Group. She holds several degrees, including a PhD from NYU in information technology, business education, and organizational learning and performance.



Dale Davis Jones, an IBM distinguished engineer and director of global technical community development, corporate technical recognition and quality software engineering, heads leadership training roadmaps and programs for technical IBM staff and managers. With more than 2 decades of experience in business transformation, hardware and services product design, development and solution architecture, she has played several key roles at IBM, including chief technology officer of the IBM Global Technology Services Solution Design Center of Excellence and chief technology officer of Server Services. A certified IBM and SAP consultant, she is a member of IBM’s Business Analytics Architecture Board and Cloud Computing Reference Architecture Board. She earned her BSC in mathematics at CUNY and her MS in management, systems and controls at NYU.



Curtis Kendrick is university dean for libraries and information resources at the City University of New York. Prior to his present position, Kendrick was director of access services at Columbia University Libraries. Earlier, he served as assistant director in the Harvard University Libraries and held library management positions at SUNY Stony Brook and Oberlin. He is a member of the boards of the New York State Higher Education Initiative

and Yonkers Public Library, Queens College Graduate School of Library and the Information Studies Advisory Council, and steering committees of New York Online Virtual Electronic Library and New York Online Access to Health. Kendrick received his BA from Brown University, his MS from Simmons Graduate School of Library and Information Science, and his MBA from Emory University.



Roy Lowrance, managing director of the Center for Data Science at NYU’s Courant Institute of Mathematical Sciences, has worked at the intersection of business and technology strategy for nearly 40 years. As a management consultant, he worked at McKinsey & Company and The Boston Consulting Group. In information technology, he was CTO at Capital One and Reuters. A doctoral candidate in Machine Learning at NYU, he earned his BA in mathematics from Vanderbilt University and his MBA from the Harvard Graduate School of Business Administration.