

SUMMER 2016



**NYU**

**TANDON SCHOOL  
OF ENGINEERING**

**ENTERPRISE  
LEARNING**

# Enterprise Learning

## Newsletter

## Bridging the Gap Between Industry and Academia



### **PARTNERS CONFERENCE**

Hosted by Enterprise Learning

On Thursday, October 6, 2016, NYU Tandon School of Engineering's Enterprise Learning unit will host a Tandon Partners Conference focusing on employee engagement. Current and prospective Enterprise Learning partners will participate in panels of faculty and industry leaders from MasterCard, AT&T, Goldman Sachs, and other top companies, discussing critical issues in learning, innovation, and leadership.

Register or learn more at [online.engineering.nyu.edu/tandon-partners-conference](http://online.engineering.nyu.edu/tandon-partners-conference).



### **MS in Computer Science Bridge Program Runs Summer Pilot for Non-Tech Students**

Looking to attract more US students who lack computer science backgrounds, [NYU Tandon Online](http://nyu.tandononline.edu) partnered with NYU Tandon's Computer Science and Engineering Department to create a new Computer Science Bridge Program. The intensive 14-week program provides students who have degrees in humanities, arts, or social science with the background needed to apply to the school's Computer Science Master's degree.

In the recent summer pilot, 12 students successfully completed the accelerated program—equivalent to three to four courses, paying a modest tuition of \$1,500. The program involved 10 to 20 hours of study per week, in addition to participation in interactive modules, lectures, and group projects. Following the success of the summer pilot, the Bridge program will continue with another cohort next spring.

To enroll, please visit

<http://engineering.nyu.edu/cse-bridge-program>.



# To Attract and Retain Skilled High-Tech Talent, Global Companies Tap NYU Tandon Online Engineering

Pfizer, Dutch retail giant Ahold USA, Wells Fargo and M&T Bank join a growing list of financial institutions, Fortune 500 companies, and other corporations seeking to attract and retain skilled talent by encouraging employees to enroll in NYU Tandon School of Engineering's online Master's programs.

"Global organizations recognize the need to provide workforce education in complex technical domains, such as cybersecurity, bioinformatics, and management of technology," said Jay VanDerwerken, senior managing director of NYU Tandon's Enterprise Learning.

Even before M&T Bank joined NYU Tandon's online Corporate Member group, the banking sector was heavily represented with Goldman Sachs and BNY Mellon turning to NYU Tandon's online offerings for employee graduate education in critical skills. More than 130 graduate-level and certificate classes are offered for

employee education and development by Tandon Online, the school's virtual learning arm.

Enterprise Learning now offers a 20 percent corporate scholarship to all Corporate Member employees, who are also entitled to university fee waivers and other benefits. Starting this year to align Tandon's corporate rewards program with the needs of employees, corporate students in the program may now pursue degrees without joining cohorts, enabling them to enroll in different tracks or electives, including transfer of credit toward a graduate degree. More than 15 organizations worldwide are members of the program. Learn more at <http://engineering.nyu.edu/enterprise-learning/corporate-members>.



## NYU Provost's Grant Supports Online Computer Science Undergrad Degree

The first undergraduate online program at NYU Tandon School of Engineering—a unique computer science bachelor's honor's program—is currently in development by a committee headed by Paul Horn, Senior Vice Dean for Strategic Initiatives and Entrepreneurship. The committee of NYU academic and administrative leaders, including computer science Professor John Iacono and Professor and Associate Dean of Academic Administration Kristen Day, is charged with shepherding a highly personal and interactive degree.

To support the launch, the Office of the Provost at NYU provided two-year partial funding. The grant supports online courses delivered in "active learning" style, requiring highly skilled instructional designers and education

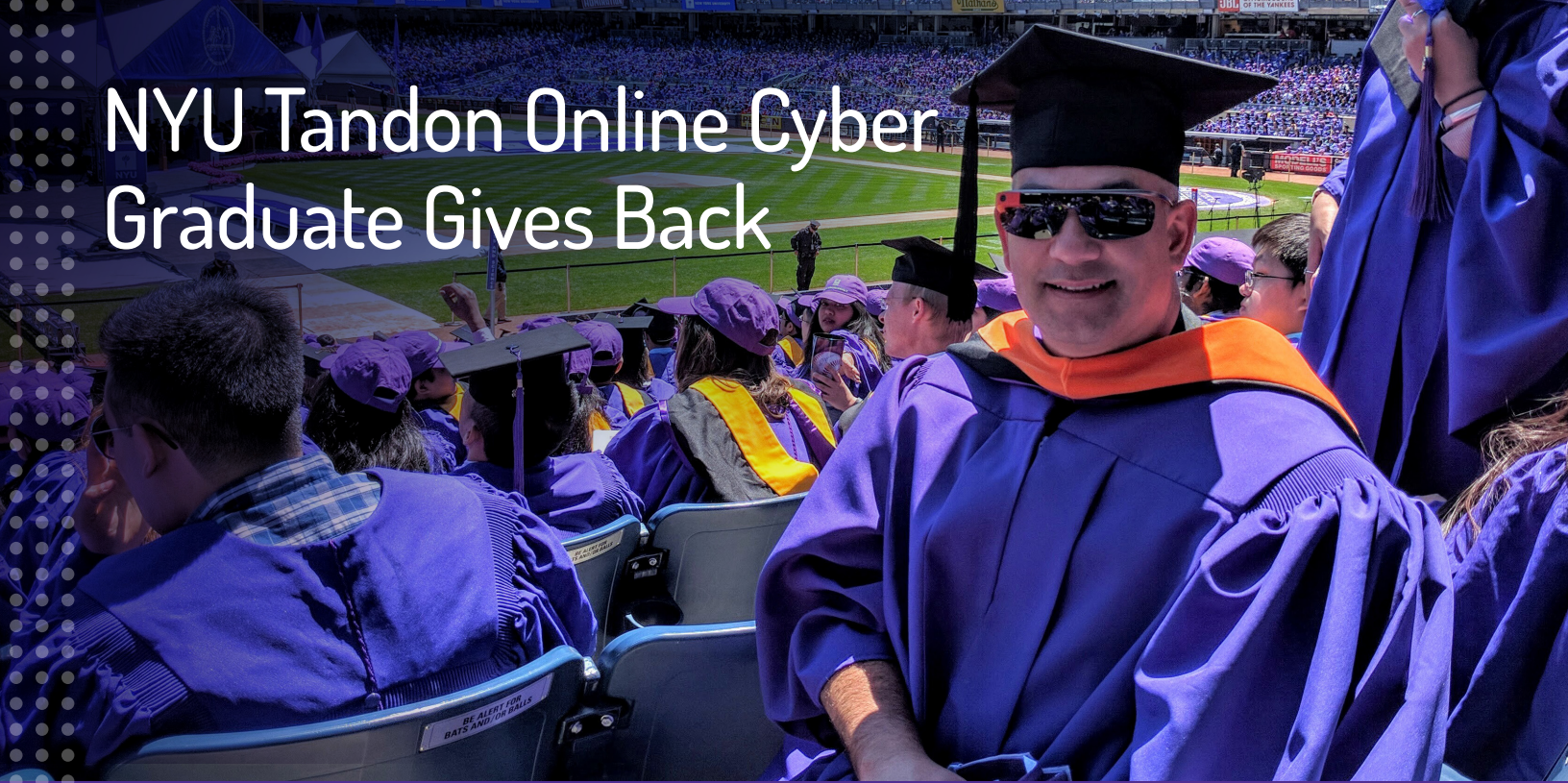
technologists from the NYU Tandon Online unit, Global Learning Initiatives Office, and other NYU schools working with Tandon's Computer Science and Engineering Department and other faculty. The grant also funds the use of cutting-edge technology, software, and equipment to transform the traditional classroom into a high-quality learning environment.

The program will seek New York State approval next year and recruit its first cohort shortly thereafter. Future iterations of the Office of the Provost's grant will support assessments to improve teaching, learning, and other online instruction elements.





# NYU Tandon Online Cyber Graduate Gives Back



Meet recent NYU Tandon School of Engineering alumnus, Carlos Villegas, a former student in NYU Tandon's online Cybersecurity Master's degree program. Carlos enrolled in the fall of 2012, participating in the school's cybersecurity cohort program as a part-time student while working full-time for NYU Tandon Corporate Member, Northrop Grumman.

In addition to studying in this rigorous program, Carlos felt a pull to give back to the community. Capitalizing on expertise he acquired through NYU Tandon Online, Carlos volunteers at several high schools, teaching cyber

skills to young, aspiring cybersecurity professionals in California. Some of his students ranked or achieved high honors in the 2016 San Diego Mayor's Cyber Cup with an all-female team, as well as in several CyberPatriot competitions. In 2015, Carlos partnered with the Girl Scouts to instruct 250 young women in the defense of information security infrastructure under the AFA CyberPatriot National Youth Cyber Education program, an annual weeklong summer camp. In the summer of 2016, as an honorary Girl Scout, Carlos is teaching 250 more Girl Scouts and continues to mentor high school students.



## Maddox Joins Enterprise Board

Ben Maddox, NYU's chief instructional technology officer and deputy chief information and global technology officer, is the newest member of NYU Tandon's Enterprise Learning Board. Working closely with senior faculty and staff across NYU, he helps extend the university's technology-enabled education efforts while partnering with global teaching, learning, research, and other units. Maddox earned his undergraduate degree from Baylor, his master's from NYU's Steinhardt School, and his doctorate from the University of Pennsylvania. In addition to his board appointment at Tandon's Enterprise Learning unit, he serves on a number of other boards and organizations, including Educause, Online Learning Consortium, Internet2, First Presbyterian Church of New York City, and the Institute for Contemporary Psychotherapy.

See his full bio [here](#).

# New Online MS in Management of Technology Prepares Managers to Thrive in the Digital Age

NYU Tandon Online's newly expanded offerings now include a Master's of Science in Management of Technology, aimed at helping business leaders keep pace with technological advances and get the most out of the technology they manage.

Participants can choose one of four tracks, offered only online:

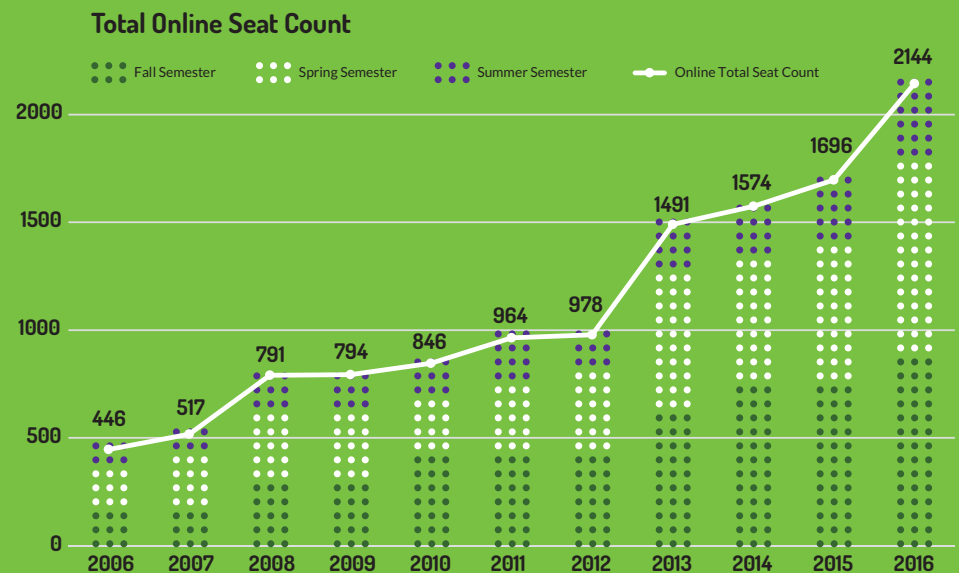
- **Cybersecurity** offers a solid curriculum core in management, plus additional courses focused on overseeing a team of cybersecurity experts.
- **Human Capital Engineering and Analytics** provides participants with the latest innovations in HR management systems that integrate talent management, workforce analytics, knowledge management, process re-engineering, and other skills.

- **Human Resource Information Systems** integrates knowledge and skills in information systems and web-based technologies, together with human resource management to achieve organizational effectiveness.
- **Project Management** addresses the increased demand for project managers with technical knowledge and the ability to lead, innovate, and manage.

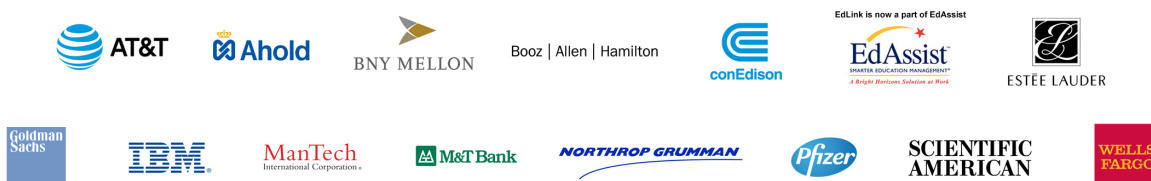
First piloted in 2015 with IBM, the new online MS in Management of Technology was available initially only to IBM employees. This fall, the degree is open for the first time to all. For more information or to register, click [here](#).

## Tandon Online Enrollments Increase Nearly 400% Over Past Decade

Rising to an extraordinary 381% over the past decade, enrollments at NYU Tandon Online continue to exceed projections year after year. Over the same period nationally, online enrollments reached 240%.



### NYU Tandon's Corporate Members



NEW YORK UNIVERSITY

For more information, contact [enterpriselearning@nyu.edu](mailto:enterpriselearning@nyu.edu).