

2019
Construction
Careers
Outcomes
Report

Master of Science
Construction Administration



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Construction at the Crossroads of the World









This 2019 Construction Careers Outcomes Report showcases a snapshot of the Master of Science in Construction Administration students and graduates and how they are advancing knowledge with purpose. It also demonstrates how our Career Design Lab (CDL) connects students to the resources and relationships they need to advance, adapt and accelerate their careers — while they're here and long after they leave.

The Career Design Lab is strategically located in the heart of New York City to connect our diverse student body with our employer partners. As the third largest construction market in the world and highest concentration of mega projects in the United States, New York City is building some of the most advanced commercial, housing, and infrastructure projects in the nation. Our graduates go on to develop rewarding careers with some of the world's most respected architecture, engineering, and construction firms and to work alongside professionals entrusted with delivering some of the most impactful projects in our generation.

Informed by our industry-leading faculty and impressive network of engaged alumni, the Master of Science in Construction Administration at Columbia University School of Professional Studies prepares construction professionals and those in related fields to tackle, lead, and shape the outcome of their built environment.

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Construction Industry Global Significance

Global Construction Industry spending is US\$ 11.4 Trillion (2018), and US Construction the industry is US\$ 1.3 Trillion (11%) (2018) - Construction Industry is approximately 13% of the global GDP (2018)



Construction is approximately 13% of the global GDP (2018)
China Construction Industry accounts for US\$ 3.3 Trillion (29%) of the Global Construction Industry spending

New York Leading Nationally and Globally

New York leads the US in construction investment value US\$285Bn (2019), only surpassed by Dubai and London. Globally one of the key drivers of construction activity is population growth. Today, more than half the world lives in urban areas, and by 2050, that number will increase to two-thirds.

Global 'Construction Mega Cities'

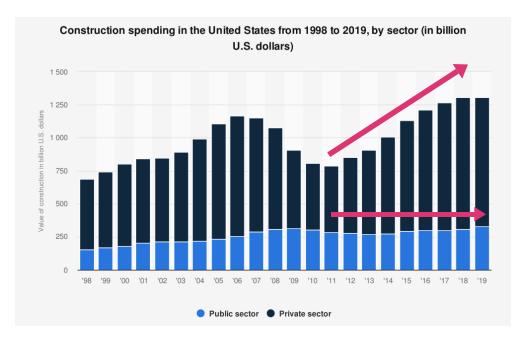


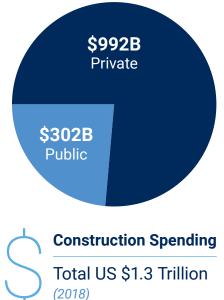




Booming Private Sector

Out of the US\$1.3 Trillion (2018) of US construction industry value, US\$992 Billion belong to Private sector spending while US\$302 Billion counts for public sector spending. Source: Statista, CIOB, McKinsey Global Institute





The collaboration of the Construction Administration program and the Career Design Lab, in the heart of New York City, inspires our students to take ownership of their career development and empowers them to explore career paths.

Construction spending in the United States from 1998 to 2018, by sector(in billion U.S. dollars).

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Programs and Services

Innovative Career Support and Services

Career Week 2019

This five-day conference engaged over 100 industry partners participating in more than 35 thought provoking sessions delivered both virtually and on-campus. Career Week focused on the Future of Meaningful Work and provided our forward-thinking students and alumni insights on how to competitively position themselves in the workplace.

Individualized Coaching

Coaches work with students on a one-on-one basis to help them in their career development process. The coaches work closely with our academic programs to develop customized career pathways for students. 8 out of 10 students rate our coaching sessions highly satisfactory.

Professional Development Opportunities

Construction Speaker Series

Driven by smart buildings and end-user requirements in IoT and security, the electrical and low voltage trade is becoming an increasingly more important aspect of building design, systems, construction and procurement. Students engaged with a panel of experts from WeWork, Bloomberg, Morgan Stanley, ARUP, and Columbia University to learn how this emerging trade and technical specialization are becoming critical elements of the finished product and end-user experiences..

On-Site Recruitment

PCL is a group of independent construction companies that carries out projects across the United States, Canada, Australia, and the Caribbean in three primary sectors: commercial buildings, civil infrastructure, and heavy industrial construction. Our students were recruited as Field Engineer Interns to coordinate, schedule, and facilitate the completion of the American Dream project in East Rutherford, NJ under the direction of Project Managers and Project Superintendents.

Signature Industry Networking Events

Women Builders Council (WBC)

The WBC annually hosts the AIM Forum a 1-day conference that enables women to engage in a series of immersive workshops and captivating conversations that provides new insights on leadership strategies, practical skills and professional growth in the building industry.

Exclusive Access to Industry Conferences

An initiative of the Royal Institution of Chartered of Surveyors (RICS), The World Built Environment Forum is a 2-day conference where global decision-makers from across the globe addressed critical topics in real estate, facilities management, business valuation, and construction sectors. This forward-thinking, high impact summit drew internationally recognized thought-leaders and provided a platform with outputs that was used to engage governments and stakeholders.

Annual Student & Alumni Reception

The M.S. Construction Administration program hosts an annual reception to celebrate the achievements of students, faculty, and alumni. It is an opportunity to gather, network, and recognize the many accomplishments coming out of our program.



Employer Partners

Employers most engaged with the Construction Administration program, its students and alumni, and the Career Design Lab

- AECOM
- CBRE
- Columbia Facilities and Operations
- JLL

- JRM Construction
- King Rose Construction
- Mayfair Construction
- New York Construction Alliance
- PCL Construction
- Skanska
- Turner Construction Management











































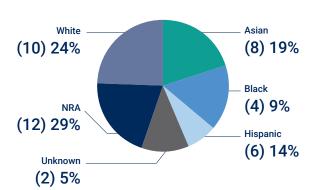






Student Demographics¹

CNAD (Class of 2019)





10% International 2019 Graduates (4/41)



41 Total 2019 Graduates

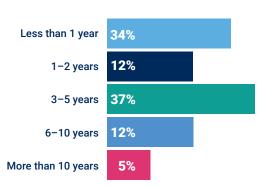
Gender





Domestic 2019 Graduates (38/42) **31**Average Age

Work Experience



1 41 records included from the official SIS graduate table in the Student Information System. All percentages stem from this total unless otherwise specified. Alternative tables are included when all 41 records are not available. Ethnicity is collected based on policy guidelines (www.ed.gov/policy/rschstat/guid/raceethnicity/index.html). Percentage is rounded to two decimal points where necessary to tie out properly (to 100%).

24–56 Age Range

Where are CNAD Graduates Working?

Top Global Countries



USA 88%



China 8%



4%

India

Percentages are out of the 26 graduates who disclosed company location.

Top Domestic States



New York 87%



New Jersey



Connecticut

4%



Michigan 4%

Percentages are out of the 23 graduates who are working in the U.S.

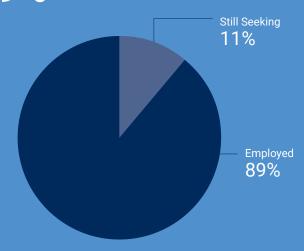
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Employment Outcomes

Employed at Graduation

SPS graduates receive highly competitive salaries² and are career-ready³ when they graduate.

89% Career Outcomes¹



88% Knowledge Rate⁴

- 1 Number of graduates who have landed in any of the employment categories, plus Volunteer Service plus Active Military plus Continuing Education, divided by the number of students for whom an outcome is known.
- 2 Salary benchmark comes from the Fall 2019 NACE Salary Survey.
- 3 Career readiness is the attainment and demonstration of requisite competencies that broadly prepare college graduates for a successful transition into the workplace.
- 4 Percentage of the graduating class for which an outcomes destination is known. It includes the sum of all the employment categories, plus Volunteer Service plus Active Military plus Continuing Education plus the number of students Still Seeking an outcome or Not Seeking an outcome. It excludes those students for whom no information is available. Based on 36 students out of 41.

Post-Graduate Employment by Industry/Sector

Construction		58%
Real Estate	_	10%
Hospitality	_	10%
Civil Engineering	_	10%
Higher Education	-	6%
Government Administration	-	6%

Organizations Who Employ Class of 2019 CNAD Graduates

Aecom*

 NYC Department of Transportation

Columbia University*

 NYC Health Hospital

Oor Design, LLC*

Benchmark NY

Pavarini McGovern,

Al Engineers LLC

PCL Construction

· Countrywide Stone ·

Polizzito Development

 Daimay North America

• Sea-Dar Construction

Faithful and Gould

Sydell Group

 Ghai Construction Limited

TDX Construction

Corp

Kingrose
 Construction

 The Dominick Hotel

Let It Grow, Inc.

• Turner

MTA TRANSIT Construction

Company

 Newbury Construction

Verdugos GC Corp.

 Normandy Real Estate Partners Yuanda real estate

Employment Outcomes

Post-Graduate Salaries

Percentage of Reported Annual Full-Time Salaries of CNAD Graduates



48% \$100,000+

22% \$70,000-\$99,999

Sample Job Titles

- · Assistant Director
- Assistant Project Manager
- Associate Project Manager
- CEO/ Founder
- Civil Engineer
- Deputy Project Manager
- Development Associate
- · Director of Engineering
- Director of Strategic Development

- Director
- Field Engineer
- Intern
- Manager
- Project Engineer
- Project Manager
- Project Manager Intern
- Project Officer
- Project Safety Assistant
- Senior Project Manager

^{*} Employers who employ more than one than one graduate"

2019 Student Success Profiles



Loris Autovino
Deputy Project Manager
AECOM

"My journey at the School of Professional Studies has positively affected my personal and professional life.

Right before starting the program, I was working on my first 20 stories mixed-use development as an Assistant Project Manager for a boutique Construction and Property Management company in NYC. During the process, I realized that I did not have the proper knowledge and skills to manage a project of that scale.

Those obstacles brought me to look for a professional course that could help me succeed with the development. That course was the "Master in Construction Administration" at Columbia University.

The program refined my technical skills, knowledge, and provided access to unique resources that I still use nowadays. Being in contact with construction world leaders provided me a strong foundation to excel in the industry.

Thanks to the program and fellow students, I am now working at a Mega Project with AECOM as Deputy Project Manager and, I will start my third multifamily redevelopment project shortly as an independent entrepreneur.

I sincerely recommend this program for all types of professionals that are looking for a career boost in the construction industry."



Minna Choi
Senior Project Manager/
Project Controls Specialist
McKissack & McKissack/
New Terminal One
(JFK International Airport)

"My experience at Columbia and going through the Construction Administration program through the School of Professional Studies has been transformative for my career. My growth at work had stagnated after having worked at the same office for five years, so I chose to pursue my Masters in order to expand my breadth of knowledge and reach in the industry. Columbia provided all of that and more. Not only was the program and its intellectually driven atmosphere a breath of fresh air that broke up the routine of just working day in and day out, but going through the program has provided a strong foundation of which I can continually build off. Earning my degree at Columbia has greatly boosted my level of confidence at work and the network I've gained and lifelong friends I've made along the way have opened doors and opportunities that I would never have seen otherwise."

2019 Student Success Profiles



Jana Chams
Project Manager
JRM Construction
Management

"I sought out a master's degree in Construction Administration at Columbia University because I knew it would build the essential foundation required to pursue a successful career as an architect and a project manager, and it has done that and more. The program offers vigorous and dynamic curriculum that enabled my understanding of how architecture, real estate, and development have an impact on construction. I gained the ability to lead projects through its entirety and manage impacts due to complexities of the real world.

At the start of my enrollment, I was a full-time assistant project manager during the day and a full-time student at night. I maintained a perfect GPA and was selected to receive a CMAA scholarship in 2018. Since graduating, I currently serve as a project manager for JRM Construction Management, one of the top construction firms in New York City.

My long-term career goals include attaining a leadership position and opening my own design-build firm, and these are both in reach because of the skills and knowledge I gained from the Construction Administration program. The Construction Administration program solidified my passion and the direction of my career and I will continue to integrate the foundation Columbia University provided throughout my career."



Mark Hildreth

Project Manager

Pavarini McGovern, LLC

"The SPS Construction Administration Program has been tremendous for my growth both personally and professionally. I enrolled in the program part-time while continuing to work full-time as a Project Manager. I expected to receive the world-class education from industry leading experts that is synonymous with Columbia, however, I did not anticipate how much the alumni and my classmates would impact and enhance my overall experience throughout the program and beyond graduation. This program inspires you to push yourself to become a leader and equips you with the tools, knowledge, and expertise to be an agent of change in an industry that is ripe for it. This impact is visible in the incredibly diverse, passionate, and driven network of alumni who are actively using their positions at the leading construction firms in the city to reshape and define the future of the industry – one that I'm proud to be a part of."





School of Professional Studies

203 Lewisohn Hall 2970 Broadway, Mail Code 4119 New York, NY 10027-6902



Contact Us

construction@sps.columbia.edu 212-854-9666

Join Our Community

sps.columbia.edu



Columbia University
Construction Administration