Construction Management

College of Architecture & the Built Environment

Jefferson.edu/BSConstructionMgmt
Dr. Gulbin Deniz
LEED AP BD+C
DEPARTMENT OF CONSTRUCTION MANAGEMENT, DIRECTOR

Gulbin.Deniz@jefferson.edu
215-951-2914
Presentation Overview

- College and Campus Information
- CM Program Description
- Plan of Study
- Outcomes
- Careers
- Professional Associations
- Student Profile
- Faculty Profiles
- Alumni Profile
Locational Advantage

- Green campus, close to Center City and many amazing communities
- Strong relationships with the community and industry partners
- Philadelphia as our living lab
Emphasis on Teaching

- Student-centered education
- Small class sizes
- Personal attention
- Honors program
- Academic Success Center
- Starfish alert system, high retention rate
- Faculty academic advisors
Nexus Learning

ACTIVE, COLLABORATIVE

REAL-WORLD

INFUSED WITH THE LIBERAL ARTS / HALLMARKS
College of Architecture and the Built Environment
Undergraduate Programs

Bachelor of Architecture, 5 Years
Bachelor of Landscape Architecture, 4 Years
BS in Interior Design, 4 Years
BS in Construction Management, 4 Years
BS in Architectural Studies, 4 Years
Including: Vine Street, Schuylkill Yards, Delaware River, Center City and Jefferson’s Campus.

Construction Management
4-Year Professional Program

Accredited by ABET-ANSAC

Industry-centered curriculum brings hands-on real-world experience to the classroom

Prepares students for leadership roles to contribute to a project or firm immediately upon graduation

Expert faculty with strong network with the CM industry

Focus on the complete construction business model
First Year

- CMGT Courses
  - Introduction to Construction Industry
  - Construction Graphics
  - Introduction to Estimating and Scheduling
- Hallmarks Core and Other
  - Financial Accounting
  - Pathways Seminar
  - Written Communication
  - Debating U.S. Issues
  - Science I: Sustainability & Eco-Innovations
  - Science II: General Physics
  - Quantitative Reasoning I
  - Quantitative Reasoning II or Free Elective

Second Year

- CMGT Courses
  - Construction Estimating and Budgeting
  - Planning and Scheduling
  - Behavior of Materials
  - Materials and Methods of Construction
  - Building Systems
- Hallmarks Core and Other
  - Statistics for Business I
  - Arts and Cultures: Great Buildings
  - Ethics
  - Multimedia Communication
  - Global Diversity of World Language
### Third Year
- **CMGT Courses**
  - Construction Contract Administration
  - Construction Accounting and Cost Control
  - Principles of Economics
  - Construction Surveying
  - Construction Site Operations
  - Construction Safety and Risk Management
- **Hallmarks Core and Other**
  - Principles of Economics
  - Business Law
  - American Diversity
  - Debating Global Issues
  - Global Citizenship or World Language
  - Integrative Seminar

### Fourth Year
- **CMGT Courses**
  - Construction Project Management Seminar
  - Construction Management Capstone
  - Designated Construction Management Elective 1
  - Designated Construction Management Elective 2
- **Hallmarks Core and Other**
  - Capstone Folio Workshop
  - Financial Management
  - Business Electives (6 credits)
  - Free Electives (3 credits)
• **Semester-long Study Abroad Programs**
  - UARC Rome
  - DIS Copenhagen
  - IE Univ. Segovia
  - Bauhaus Germany

• **Nexus Abroad Summer Programs**
  - Central Europe, Southern Europe, India

• **Faculty-led Short Courses**
  - South Africa
  - Czech Republic
Dr. Gulbin Deniz
LEED AP BD+C
DEPARTMENT OF CONSTRUCTION MANAGEMENT,
DIRECTOR AND ASSOCIATE PROF.

BS in Civil Engineering, Middle East Technical University
MS in Civil Engineering, Middle East Technical University
PhD in Civil Engineering, Florida International University

Dr. Deniz has her current research in the areas of Sustainable Construction, Building Information Modeling (BIM), Virtual Reality (VR), and Construction Education.

COURSES

- CMGT-450 - Construction Project Mngt Seminar
- CMGT-499 - Construction Capstone
- CMGT-403 - Introduction to BIM
- CMGT-602 - Construction Information Modeling
- CMGT-608 - Construction Environmental Management
- CMGT-901 - Masters Project

Jefferson.edu/BSConstructionMgmt
Dr. Kim Zamora
LEED AP BD+C
DEPARTMENT OF CONSTRUCTION MANAGEMENT, ASSISTANT PROF.

BS in Civil Engineering, Drexel University
MS in Civil Engineering, Drexel University
PhD in Civil Engineering, Drexel University

Dr. Zamora gained diverse experience in building healthcare, commercial, higher education, assisted living, buildings in the Philadelphia Region.

COURSES
• CMGT-300 - Const Acct and Cost Control
• CMGT-304 - Construction Safety and Risk Mgmt
• CMGT-310 - Construction Surveying
• CMGT-600 - Construction Estimating and Scheduling
• CMGT-612 - Advanced Project Management
• CMGT-608 - Construction Environmental Management
• CMGT-901 - Masters Project

Jefferson.edu/BSConstructionMgmt
Adjunct Faculty

- Edward Keeter, Skanska (previous)
- Bennett Colesberry, Torcon Construction (previous)
- John DeFazio, LF Driscoll
- Mark Purcell, Arora Engineers, Inc.
- Jeff Trivelli, Skanska
- David Bertram, Community College of Phila. (CCP)
- Mike Wallace, The Graham Company
- Greg Lucado, Univ of the Sciences
- Daniel Donatelli, C. Raymond Davis & Sons, Inc.
- Anthony Albrecht, Architect
- Edward Tannebaum, SPI Advisors
- Karl Wursthorn, TN Ward
- Lou Norella, US GSA
- James Lewis, West Chester Univ
- Neal Gilligan, US GSA
- Colleen Mills, Intech Construction
- Jim Smith, Consolidated Glass Holdings
- Charles Cook, Drexel University
2019: 100% Job Success + Grad School Success Rate
OVER 95% JOB + GRAD SCHOOL SUCCESS RATE IN THE LAST 5 YEARS

EMPLOYERS OF JEFFERSON GRADUATES
- INTECH Construction
- LF Driscoll
- The Norwood Company
- Total Construction Inc
- Turner Construction Company

EMPLOYERS OF JEFFERSON GRADUATES
- South Eastern Transportation Authority (SEPTA)
- Henkels & McCoy, Inc. (H&M)
- Warfel Construction Company
- Whiting-Turner Contracting Company
- W.S Cumby Construction

OUTCOMES
- CABE RETENTION RATE
- PLACEMENT RATE
- OVER 95% JOB + GRAD SCHOOL SUCCESS RATE IN THE LAST 5 YEARS
- EMPLOYERS OF JEFFERSON GRADUATES
- POTENTIAL POSITIONS
  - Project Manager
  - Superintendent
  - Project/Field Engineer
  - Estimator
  - Scheduler
  - VDC/BIM Specialist
  - Owner’s Representative

Jefferson.edu/BSConstructionMgmt
Assistant Project Manager

**Assistant Project Manager (APM) Responsibilities**
- Managing the project from take off to closeout
- Assisting in estimating project scope and scheduling
- Managing submittals, change orders, RFIs, etc.
- Providing on site management of construction projects
- Communicating and collaborating with project parties (owner, architect, designers, subcontractors, vendors, etc.)

**SALARIES**
- **MAX** $81,000
- **MEDIAN** $60,000
- **START** $41,000

*Average Assistant Project Manager, Construction Salary in Philadelphia, PA from PayScale*
Job and Internship Opportunities

• Strong integration with the construction management community in Philadelphia and the tri-state area via CM Industry Board and Adjunct Professors

• Internships for Credit
  • Students work in the construction industry at a particular company, meanwhile, register that internship for academic credit
  • Works for 2 CMGT-xxx electives (6 credits) and FREE ELECTIVE (3 credits)
Job and Internship Opportunities

- Jefferson’s Career Services streamlines the internship process by:
  - Help students update their resumes
  - Find internships
  - Attend on campus interviews with potential employers
Job and Internship Opportunities

• You can visit Jefferson’s Career Services at eastfalls.jefferson.edu/careerservices/ for more details regarding the Internship Process.

Log in at https://jefferson.joinhandshake.com

Jefferson.edu/BSConstructionMgmt
Construction Management Association of America (CMAA)

- CMAA provides training and educational opportunities for its 16,000-member body. Members can learn new advancements in construction management through CMAA’s member network and certifications.

General Building Contractors Association (GBCA)

- GBCA is the local chapter of Associated General Contractors of America (AGC), which is the nationwide the leading association for the construction industry. GBCA provides educational workshops and webinars and stands as a great place to meet and develop relationships with other industry professionals.
• American Institute of Constructors (AiC)
  • AiC promotes the professional development and recognition of those involved in the management of the construction process and has an AIC Certification Examination - furthering their professional status as a constructor.

• Associated Schools of Construction (ASC)
  • ASC is the professional association for the development and advancement of construction education. ASC is made up of 8 regions; 7 regions from the United States and Canada and one European region.
Scholarships for CM Students

- AGC of America Education and Research Foundation Scholarship
- CMAA Mid-Atlantic Chapter Scholarship for Undergraduate and Graduate Student Applicants
- Commercial Real Estate Women (CREW) Philadelphia Scholarship Award
- Philadelphia Foundation, The Walter J. Thackray Memorial Scholarship
Matthew Stelmaski
PRESIDENT OF JEFFERSON SOCIETY OF CONSTRUCTION MANAGEMENT
INTERN AT GRACE CONSTRUCTION MANAGEMENT MOORESTOWN, NJ
CLASS OF 2020

• “Jefferson East Falls is a slightly smaller sized campus and university, which has a lot of benefits...I was able to have access to so many things without many restrictions, with being able to talk to and ask questions and advice from professors at any time, being able to meet up and work with other students within the CM program or other programs within CABE...Although Jefferson is a smaller University, it is able to offer everything or more, that a larger University has to offer.”

• “Jefferson CM is the best fit for me because it is an extremely collaborative and hands on program. The program gives so many opportunities to work with other students, professors, and faculty on projects and other opportunities. All of the project I have been able to work on in classes have real world physical examples, which helps in the understanding of what you are learning.”

Why Jefferson CM?
“On top of all of this, many classes involve off campus trips to sites and buildings, which personally help me to understand material and objectives. Another great benefit of the program is learning many new and exciting programs as well as earning certifications like OSHA 30-hour, which proves to be beneficial when it comes to finding internships and future jobs. Lastly, being in Philadelphia is a large benefit. Philadelphia is a city with major growth and construction happening on almost every corner. Philadelphia also provides great networking opportunities, especially with so many great construction firms based in the city.”
To prospective students, construction and construction management is an incredible and rewarding field to be in. Being able to take something from a piece of paper and put it in a physical environment is an extremely rewarding thing to be a part of. If you are unsure if construction management is the route to go, let me assure you it is. It may seem daunting and complicated, but with the right resources and guidance, you will learn all the skills you need to be successful in this industry, and Jefferson University has those resources and guidance.”
“What really attracted me to the CM program at Jefferson University was their class atmosphere. I really enjoy the fact that there are roughly around 15-20 students in each classroom for the CM courses. Because the class sizes are small, it helps create a more engaging and interactive atmosphere. It pushed me to speak up in class when I had an answer or when I was confused on any topic. It also made it a lot easier to focus on what the teacher is saying. For me, the teaching felt more “personal” in a way. I feel like if I went to a bigger school where the class sizes are around 50-100 students, I would easily lose focus and potentially fall behind.”
Kenji Matthew
INTECH CONSTRUCTION
PHILADELPHIA, PA (current)
CLASS OF 2019

• “When it comes to job opportunities, there are plenty of companies who are seeking new graduates to enter in the CM position. The construction industry is huge and there is always work around the world. Many companies are actively looking for young newly graduates because they can help tremendously when it comes to technology based programs...The salary band is also very competitive as well. You will come out of college having a good salary and health benefits with any company you decide to work for.

• “I believe Jefferson CM is the best for me because naturally I am a really communicative person. I like to engage with others as this helps me learn the best and problem solve. This ties in heavily with becoming a CM because these are the two essential traits to have in the industry. I am currently working with Intech Construction and most of what I do daily deals with working with a team to communicate and problem solve on issues that arise in the field, and find ways to keep the project running smoothly and on schedule.”
Construction Management Research Areas

- Building Information Modeling (BIM)
- Virtual Reality (VR)
- Sustainable Construction
- Leadership in Environment and Design (LEED)
- Industrial Ecology

Jefferson.edu/BSConstructionMgmt
What is next?

MASTER OF SCIENCE in
Construction Management

At Jefferson, we emphasize practical application, sustainable practices and a team approach to solving challenges. Our experienced faculty is made up of industry professionals, who possess a wide range of construction management experience. The program’s innovative approach to comprehensive and specialized learning is designed for students in all areas of the field, including designers, engineers and management professionals, as well as graduates from related fields of business, real estate and finance.

Students can choose to complete the 36-credit, 12-course curriculum on our East Falls campus or online. Courses are offered in two 15-week semesters per year, as well as a 12-week summer semester.

Jefferson.edu/MSConstructionMgt