

M.S. Construction Management

College of Architecture & the Built
Environment



[Jefferson.edu/MSConstructionMgt](https://jefferson.edu/MSConstructionMgt)



Dr. Gulbin Deniz

LEED AP BD+C

DEPARTMENT OF CONSTRUCTION MANAGEMENT,
DIRECTOR AND ASSOCIATE PROF.



Gulbin.Deniz@jefferson.edu



215-951-2914



Jefferson

CREATE WHAT'S NEXT

Jefferson.edu/MSConstructionMgt

Presentation Overview

- College and Campus Information
- Program Description
- Plan of Study
- Faculty Profile
- Outcomes
- Careers
- Professional Associations
- Student Profiles
- Alumni Profile
- Research Areas
- Graduate Assistantships



Locational Advantage

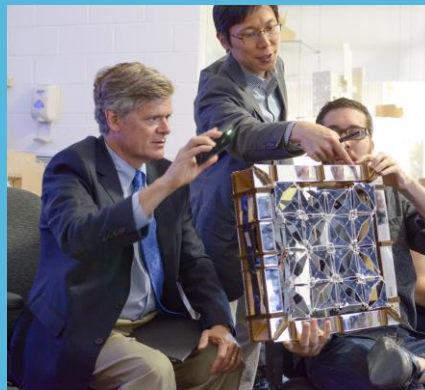
- Green campus, close to Center City and many amazing communities
- Strong relationships with the community and industry partners
- Philadelphia as our living lab



Emphasis on Teaching

- Student-centered education
- Small class sizes
- Personal attention
- Academic Success Center
- Writing assistance
- Faculty academic advisors

COLLEGE AND CAMPUS INFORMATION



Nexus Learning



ACTIVE,
COLLABORATIVE



REAL-WORLD



INTERDISCIPLINARY
PROJECTS

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.

M.S. in Construction Management

A STEM-designated
program

International Students get
36 months to work
with OPT extension

Classes are offered on
campus, hybrid, and/or
online to give students
flexibility and
continuing to work in
their jobs

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

Prepare graduates to
excel in leadership
positions from day one

Expert faculty with
strong network with the
CM industry

Focus on the complete
construction business
model



Student Background

- The M.S. in Construction Management Program (MCM) is designed for students with a bachelor's degree in civil engineering, architecture, business, management, or related fields.
- Students from fields other than construction will be able to gather an advanced construction management knowledge via the courses offered.
- You can visit the web page of [Jefferson's Office of International Student Programs](#) for details on International Student Services.

M.S. in Construction Management

- MCM On Campus
 - Day and evening courses available on campus/hybrid from faculty composed of experienced full-time professors and adjunct professors, who are practitioners with diverse backgrounds in construction management, general contracting, and architecture.
 - Students are exposed to hands-on experience of construction means and methods in various courses.
- MCM Online
 - A convenient and flexible 100% online degree
 - Courses are recorded and available to students on a 7/24 basis
 - Students are expected to listen to video lectures and complete required tasks (assignments, quizzes, etc.) online throughout each week.

Ranking

Jefferson's MCM Program was ranked among *the Top 50 Construction Management Masters Degree Programs* on Intelligent.com for 2020



Plan of Study

- 36 credit hours
- Full or part time
- Course are delivered on-campus, hybrid, and on-line
- Most students complete the Program in 18 to 24 Months

Required Construction Management Courses

- The Core Courses
 - CMGT 600 Construction Estimating and Scheduling
 - CMGT 602 Construction Information Modeling
 - CMGT 603 Construction Law
 - CMGT 604 Construction Finance and Cost Control
 - CMGT 606 Construction Risk Management
 - SDN 601 Principles and Methods of Sustainable Design

Required Construction Management Courses

- Capstone Courses
 - CMGT 612 Advanced Construction Project Management
 - Pre-Reqs - CMGT 600, 602, 603, 604 & 606
 - CMGT 901 Masters Project
 - Pre-Reqs - CMGT 612 & SDN 601

Required Construction Management Courses

- Selected MCM Electives
 - CMGT 608 Construction Environmental Management or any SDN Elective (such as 603 - 604)
 - CMGT 618 Principles and Practices of Heavy Construction or MRE 601 Real Estate Development or any iMBA 6xx Elective (with iMBA permission)



Other Required Courses

- Free Electives - 2
 - Students may choose any graduate level (600 and above) course from MCM, MRE, SDN, iMBA, GEOD, MARC, or IARC
 - MRE: MS in Real Estate Development
 - SDN: MS in Sustainable Design
 - GEOD: MS in GeoDesign
 - MARC: Master of Architecture
 - IARC: MS in Interior Architecture
 - You must get the approval of the Program Director of the Program in which the course resides.



Dr. Gulbin Deniz

LEED AP BD+C

DEPARTMENT OF CONSTRUCTION MANAGEMENT,
DIRECTOR AND ASSOCIATE PROF.
GRADUATE ADVISOR

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



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

Adjunct Faculty from Industry

- 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

OUTCOMES

POTENTIAL POSITIONS

- Assistant Project Manager (APM)
- Assistant Project/Field Engineer
- Estimator
- Scheduler
- Project Manager (PM)
- Senior Project Manager
- Superintendent
- Project/Field Engineer
- VDC/BIM Specialist
- Owner's Representative



EMPLOYERS OF JEFFERSON GRADUATES

- INTECH Construction
- LF Driscoll
- The Norwood Company
- Total Construction Inc
- Turner Construction Company

EMPLOYERS OF JEFFERSON GRADUATES

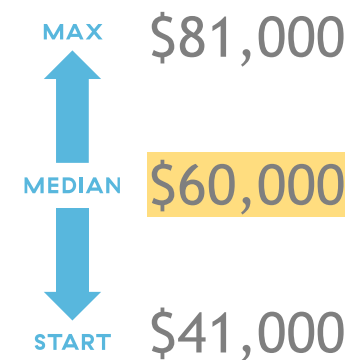
- South Eastern Transportation Authority (SEPTA)
- Henkels & McCoy, Inc. (H&M)
- Warfel Construction Company
- Whiting-Turner Contracting Company
- W.S Cumby Construction

Assistant Project Manager

OUTLOOK

- **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*



* 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 FREE ELECTIVES (6 credits)

Job and Internship Opportunities

- Jefferson's Career Services streamlines the internship process by helping students:
 - Update their resumes
 - Find internships
 - Attend on campus interviews with potential employers

On-Campus Interviews

Interested in seeing the employers who are coming to Jefferson for your major? [Click here!](#)



Job and Internship Opportunities

- You can visit [Jefferson's Career Services](https://eastfalls.jefferson.edu/careerservices/) at eastfalls.jefferson.edu/careerservices/ for more details regarding the Internship Process.
-



Upload your resume **once**.
Apply to jobs **year round!**

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



- **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)**
 - GBCE is the local chapter of Associated General Contractors of America (AGC), which is the nationwide the leading association for the construction industry. GBCE 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 a 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.



SIGMA LAMBDA CHI

International Construction Honor Society

- Sigma Lambda Chi is the society that offers students the opportunity to be recognized locally and internationally for their academic accomplishments as a construction major.
- The fundamental purpose of Sigma Lambda Chi is to provide recognition to outstanding students in construction curricula.



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



What are the top three highlights of your Master's program at Jefferson CM?

- CM course has been greatly organised. All five core subjects are perfect. Taking advance construction after five core subjects are flawless. Thesis after taking advance is also properly planned.
- Electives such as Environment and material are important for construction industry. Hence, one can flexibly organise his/her course accordingly.
- Master's project rubric/sections/format is superbly organised. It is like a recap of all courses you studied throughout your course. Master's project is a chance where you can implement all your learnings of core subjects.

What kind of support have you received from lecturers and staff thus far?

- Staff/Faculties were **always available** when guidance needed.
- If **person (on-campus) meeting** was not possible, they have managed the meeting remotely thru **zoom or any online tool**.
- Faculties have also supported me for **my OPT and CPT applications**.
- Faculties have also **recommended me for few firms** where I had applied for my internship.
- I also got information and support for all my external tests such as **OSHA, LEED GA, CMIT**.

Why did you choose to do your Master's at Thomas Jefferson University (TJU)?

- Applied to Thomas Jefferson University because of its excellent reputation and the subjects that it offers like Construction Law, Construction Estimating and Scheduling, Construction Information Modelling, Risk management, Project Finance etc. that were of my interest.
- In addition, the splendid facilities were also a major attraction to me.
- I also feel that a master's degree from this university will provide me a multidisciplinary approach and develop skills essential for successfully pursuing a career in global agencies.
- It allows flexibility to choose subjects according to the student's convenience and priorities which is like a cherry on the cake. Also, the professors are really supportive and guide you thoroughly.

What are the top three highlights of your Master's program at Jefferson CM?

- Includes subject called **Construction Information Modelling (BIM)**. Most of the other universities do not teach this subject as a part of their curriculum.
- **Allows integration with other programs**. That is, allows the students to take subjects as electives of other programs like sustainability, MBA, etc. This helps the student to enrich themselves with additional knowledge necessary in the field apart from only construction.
- You can plan and start your **Master project's preparation** prior to your final semester with faculties supervision and concoct accordingly.

Lokman Turkmen

Project Engineer at ALP Supply (formerly A.L. Patterson)
FAIRLESS HILLS, PA (current)
CLASS OF 2018

Why Jefferson CM?



- To make more valuable connections, pursue necessary professional skills and foster personal development.
- Program allowed me for career specialization, career switch, and a possible career in academia.

Lokman Turkmen

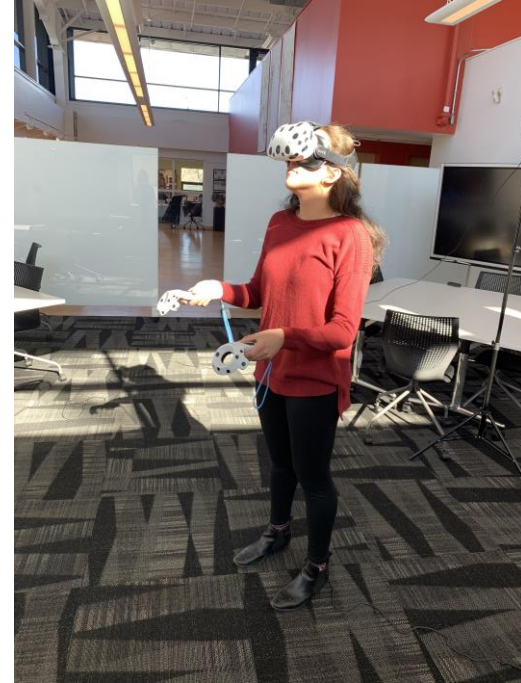
Project Engineer at ALP Supply (formerly A.L. Patterson)
FAIRLESS HILLS, PA (current)
CLASS OF 2018

- Tell us more about the experiential learning opportunities and industry exposure you received while at TJU. Did you have any internships while you were a student?
 - I had 11 months internship during my education.
 - I think experience with these facilities and resources have helped me in my current job with modern computers.
- What kind of support did you receive from lecturers and staff at TJU?
 - Counselling when needed. Professional support as well.

Construction Management Research Areas



- Building Information Modeling (BIM)
- Virtual Reality (VR)
- Sustainable Construction
- Leadership in Environment and Design (LEED)
- Industrial Ecology
- Material Stock & Flow Analysis of Buildings



Graduate Assistantships

- Through the Graduate Assistantship Program, the University awards a limited number of annual graduate assistantships to new applicants on the basis of exceptional scholastic achievement; outstanding professional promise; and competence for service in the departments of the University.
 - <https://www.eastfalls.jefferson.edu/financialaid/Graduate/assistantships.html>
 - Link is also given on the MCM web page under Program Core Values.

Graduate Assistantships - CABE

- Scholarships and assistantships available to all new and eligible applicants:
 - University Graduate Student Assistantships
 - CABE Teaching Assistantship & Research Assistantship
 - Dean's Scholarship
 - International Institutional Partnership Scholarship
- Check: [Jefferson's Web Page > Academics > College of Architecture & the Built Environment > Student Resources > Graduate Scholarships & Assistantships](#)

Admission Requirements

- Completed Application for Graduate Admissions
- Official Academic Transcripts
- Current Resume/CV
- 2 Letters of Recommendation*
- Personal Essay**
- **GRE is NOT required**
- * Recommendation letters can be emailed directly from your recommenders (there is no form required)
- **The essay should tell us a little about yourself, your interests in our program and goals as a potential student. Essays should be no more than two pages in length.

Applications

ADMISSIONS

COLLEGE	DEGREE EARNED	PROGRAM TYPE	
East Falls Campus	Master of Science	On Campus	Apply
College of Architecture & the Built Environment		Online	Request Info
		Hybrid	

- Apply Online through the [MCM Web Page](#) and [Jefferson's Office of Graduate Admissions](#)
- You can email GradAdm@jefferson.edu for admission-related questions.
- You can email Gulbin.Deniz@jefferson.edu for academic questions.



Jefferson

Thomas Jefferson University

Jefferson.edu/MSConstructionMgt