

CONSTRUCTION MANAGEMENT



"Since I was young I loved to build things. Construction is about taking things from paper to real life structures and that is what I want to learn how to do."

—Construction Mgmt. student

The construction industry is vitally important to strengthening the nation's economy. According to the Bureau of Labor Statistics' Job Openings and Labor Turnover Survey, 105,000 net new construction jobs were added to the economy from September 2016 through January 2017. This is a 1.2 percent employment expansion.

DEGREES/MINOR

BACHELOR OF SCIENCE (B.S.)

Applied Engineering and Technology Management (AETM)

The **Construction Management** concentration helps students develop the theoretical knowledge and leadership skills to pursue career opportunities in construction management such as project manager, scheduler, superintendent, cost estimator or safety coordinator. Courses included in this option provide an overview of architectural design, building information modeling (BIM), construction contracts and methods, construction planning and scheduling, cost estimating and take-offs, and green buildings.

ASSOCIATE OF TECHNOLOGY (A.T.)

Applied Engineering and Technology (AET)

The **Construction Technology** concentration within this program provides students with both the theoretical knowledge and practical skills that are essential for careers in the construction technology. Courses included in this option provide experiences in computer-aided drafting and design (CAD/D), architectural design, materials and processes, and construction methods. All courses in this option include practical laboratory experiences and problem solving activities with the tools, materials, equipment and software that are fundamental to understanding the principles of construction technology.

MINOR IN CONSTRUCTION TECHNOLOGY

Construction Technology minor students complete 18 credits of technical courses. Four of these are foundational classes in safety, materials processing, and computer-aided drafting & design. Students then select two technical courses focused specifically in construction technologies.

Top 3 Reasons to Choose Construction Technology

AT MILLERSVILLE UNIVERSITY

1. Construction careers incorporate a wide range of skills and challenge workers to think creatively to solve problems.
2. Construction employment is growing! The Bureau of Labor Statistics projects that employment will increase by 21.3 percent by 2022.
3. According to Associated General Contractors of America, Pennsylvania added 12,700 construction jobs during the past year.





INTERNSHIP OPPORTUNITIES

Construction technology internships combine the student's academic, technical and management preparation with actual on-the-job experiences in designing, building, and managing residential and commercial construction sites. In addition to the technical aspect, internships have a significant management component and students are required to engage in management-related activities such as planning, organizing, directing, and supervision at the workplace. Interns are required to complete 150 hours per each 3-credit internship. The student, the employer, and the Department of Applied Engineering, Safety & Technology faculty work cooperatively to assure the internship experience achieves the best possible learning value.

FACILITIES

In addition to work completed in the field, there are three separate laboratory facilities used in the Construction Technology program.

- Materials Processing Labs
- Computer-Aided Drafting & Design Lab
- Research & Development Lab



STUDENTS

Upon completion of the Construction Technology concentration, students will be able to demonstrate skills and knowledge related to residential/commercial design, analyze and evaluate construction materials to determine the advantages, benefits, and suitability for selected applications, and use commercial computer software applications for construction management and project cost control.

ABOUT OUR GRADUATES

The largest employers of Construction Professionals are specialty trade contractors (e.g. foundation, structure, and building exterior contractors), residential building construction, and commercial construction. A sampling of job titles held by construction graduates include the following:

- Project Manager
- Project Coordinator
- Cost Estimator
- Safety Specialist
- Field Engineer
- Scheduler and Planner

CLUBS & ACTIVITIES

Construction Management Club. The Construction Management (CM) club at Millersville University provides students with the opportunity to extend their classroom studies to the real world. Special events, fundraisers and even national competitions are among some of the projects the CM Club is involved with.

ACCREDITATION

The Applied Engineering & Technology Management degrees are accredited by The Association of Technology Management and Applied Engineering (ATMAE).

FOR INFORMATION CONTACT:

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