



Monroe Community College

STATE UNIVERSITY OF NEW YORK

Inspiring every day.



SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING & MATH (STEM)

Construction Technology A.A.S.

A PROGRAM THAT OPENS DOORS TO A WIDE RANGE OF BUILDING AND CONSTRUCTION CAREERS. MCC's Construction Technology program offers first-rate preparation for the workforce. You'll get a practical, hands-on introduction to all aspects of construction project management and execution, from estimating and surveying to drafting, construction and inspection. The program is led by experienced professors who have spent years in the construction industry, and know what today's employers look for in new hires.

PROGRAM DESCRIPTION

The Construction Technology A.A.S. degree offers direct preparation for the workforce and transfer into a four-year degree program in construction management or civil engineering technology. You'll learn methods and materials of construction for both buildings and heavy/highway construction for both public and private sector projects. Courses cover a wide range of technical subjects, including construction surveying, CAD graphics, concrete, soils, statics and strength of materials. In addition, you'll develop skills that prepare you for supervisory and managerial roles with courses in construction management, project management and planning, estimating and contracts.

A STRONG START—ACADEMICALLY AND FINANCIALLY!

MCC's low tuition plus financial aid opportunities help make a high-quality education affordable. You could qualify for federal grants, workforce grants, scholarships, and more. Visit www.monroecc.edu/go/finaid or call 585.292.2050.

APPLY TODAY!

To learn more about MCC, visit us on the web at www.monroecc.edu. Apply today at admissions.monroecc.edu or contact the Admissions Office at 585.292.2200 to schedule a visit.



GET THE LATEST ON CAREERS IN OUR AREA, INCLUDING EMPLOYMENT PROJECTIONS, EARNINGS, AND JOB OPENINGS AT CAREERCOACH.MONROECC.EDU

WHERE WILL YOU GO?

Start your career with employers like these:

- NYS DOT
- Public Works Department and Code Enforcement Offices
- DiMarco Construction
- LeChase Construction
- Popli Design Group
- RAVI Engineering
- Fisher Associates
- CME Associates
- LaBella Associates
- Ironwood Heavy Highway
- CP Ward
- LeCesse Construction
- 84 Lumber
- Wegmans Construction

Your job title could be:

- Construction Manager
- Construction Quality Control Technician
- Construction and Building Inspector
- Building Materials Sales Representative
- Assistant Project Manager
- Estimate & Quality Takeoff Technician
- Construction Scheduler
- Drafter/CAD Technician
- Survey Technician
- (and more!)

"Education is the stepping stone to your construction career, and MCC is recognized as a solid path to lifelong learning and industry success."

– Kevin Foley, MCC Professor Emeritus

CURRICULUM OVERVIEW

CONSTRUCTION TECHNOLOGY A.A.S.

Distribution Requirements	Credit Hours
FIRST SEMESTER: 16 Credit Hours	
CIT 101 Surveying	4
CIT 122 Construction I: Elements of Building Construction	4
ENG 101 College Composition OR ENG 200 Advanced Composition	3
MTH 140* OR MTH 164 AND MTH 165, MTH 175, MTH 210, MTH 211, MTH 212, MTH 225	3
TEK 101 Computer Applications for Technicians	2
Total	16
SECOND SEMESTER: 16-17 Credit Hours	
CIT 123 Construction II: Heavy, Highway and Site Construction	4
MET 203 Technical Mechanics, Statics	3
MATHEMATICS** OR NATURAL SCIENCE*** ELECTIVE	3-4
PHY 131 Applied Physics I OR PHY 145 College Physics I OR PHY 161 University Physics I	4
PHYSICAL/HEALTH EDUCATION ELECTIVE	2
Total	16-17
THIRD SEMESTER: 15-16 Credit Hours	
CIT 112 CAD for Construction	2
CIT 206 Soil and Concrete Testing	4
ENG 250 Professional Communication OR ENG 251 Technical Writing	3
ELECTIVE	3-4
SOCIAL SCIENCE ELECTIVE	3
Total	15-16
FOURTH SEMESTER: 15 Credit Hours	
CIT 204 Strength of Materials	3
CIT 217 Construction Management	4
CIT 221 Cost Estimating	3
CIT 232 Construction Contracts and Specifications	2
SOCIAL SCIENCE ELECTIVE	3
Total	15
TOTAL CREDITS	62-64

*Mathematics requirement and elective courses should be selected with guidance from a faculty advisor to ensure they fulfill requirements of the academic program at a transfer institution.

**MATHEMATICS ELECTIVE: MTH 104, MTH 135, MTH 141, MTH 160, MTH 161, MTH 172, MTH 175, MTH 210, MTH 211, MTH 212, MTH 225, MTH 230.

***NATURAL SCIENCE ELECTIVE: BIO 116; CHE 100, CHE 145, CHE 151, CHE 152; GEO 101, GEO 102, GEO 200, GEO 204, GEO 210, GEO 295; PHY 132, PHY 145, PHY 146, PHY 161, PHY 261, PHY 262.