

# CONSTRUCTION

**MCC  
ENGINEERING  
TECHNOLOGIES  
DEPARTMENT**

## **Looking for an Exciting Position as a Project Manager for Construction Jobs?**

### ***CONSTRUCTION TECHNOLOGY A.A.S DEGREE PROGRAM***

#### **Program Information**

##### **Job Possibilities:**

Construction Technology graduates work for private contractors (both general and specialty contractors), facility management departments, construction material vendors, insurance agencies, and engineering/surveying firms, as well as public agencies such as the local, regional and state departments of transportation, public works, and code enforcement offices.

##### **Program Description:**

Students are able to draw on classes in methods and materials of construction for both buildings and heavy/highway constructions, construction surveying, CAD graphics, concrete, soils, statics and strength of materials; and construction management courses in project management, estimating, and contracts to gain an entry into the construction industry. Students who graduate with an A.A.S. in Construction Technology have also transferred to area colleges for Bachelor's programs in Civil Engineering Technology at RIT and SUNY Utica; and construction management programs at SUNY Alfred and ES&F at Syracuse University.

#### **We Offer a Technical Program Just For You!**

With programs in Electrical, Mechanical, Optical, and Construction Tech at MCC we have just the right 2-yr A.A.S or certificate program for your future career!

Monroe Community College  
Engineering Technologies Dept.  
1000 East Henrietta Rd.  
Rochester, NY 14623

THERE'S MORE TO YOU.  
THERE'S MORE TO MCC.

[www.monroecc.edu/go/et](http://www.monroecc.edu/go/et)

#### **Contact Information:**

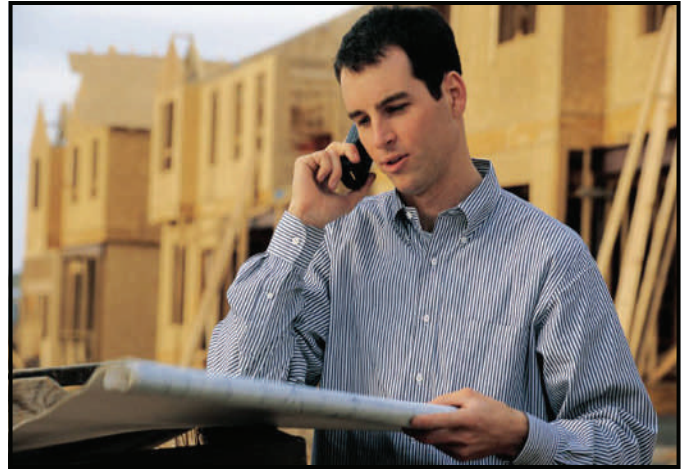
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# CONSTRUCTION TECHNOLOGY

## CONSTRUCTION TECHNOLOGY A.A.S DEGREE PROGRAM Course Listing

<b>FIRST SEMESTER</b>	
CIT 101 Surveying	4
CIT 122 Construction I: Elements of Building Construction	4
ENG 101 College Composition <b>OR</b> ENG 200 Advanced Composition	3
MTH 140 Technical Mathematics I	3
TEK 101 Computer Applications for Technicians	2
<b>Total</b>	<b>16</b>
<b>SECOND SEMESTER</b>	
CIT 123 Construction II: Heavy, Highway and Site Construction	4
HED/PE ELECTIVE	2
MET 203 Technical Mechanics Statics	3
MATHEMATICS ELECTIVE	3-4
PHY 131 Applied Physics I	4
<b>Total</b>	<b>16-17</b>
<b>THIRD SEMESTER</b>	
CIT 112 CAD for Construction	2
CIT 206 Soil and Concrete Testing	4
ENG 250 Professional Communication <b>OR</b> ENG 251 Technical Writing	3
ELECTIVE	3-4
SOCIAL SCIENCE ELECTIVE	3
<b>Total</b>	<b>15-16</b>
<b>FOURTH SEMESTER</b>	
CIT 204 Strength of Materials	3
CIT 217 Construction Management	4
CIT 221 Construction Cost Estimating	3
CIT 232 Construction Contracts and Specifications	2
SOCIAL SCIENCE ELECTIVE	3
<b>Total</b>	<b>15</b>
<b>TOTAL CREDITS</b>	<b>62-64</b>



CONSTRUCTION PROJECT MANAGER



TINIUS-OLSEN 400,000-lb. TESTING MACHINE

Graduates from the Construction Technology program are instructed to be part of the project team. This program is aimed at providing an education in the technical and operational aspects of the construction industry. As part of the project team, graduates may be responsible for the planning, implementation, inspection, and documentation of a construction project. Some of the duties that graduates encounter in their employment include cost estimating; construction surveying; drafting changes, submittals, and as-built drawings; construction quality control and quality assurance inspections; project critical path scheduling; project coordination between vendors, subcontractors and prime contractors; construction contract administration; project planning and project work breakdown analysis.