## **CONSTRUCTION** MANAGEMENT & SUPERVISION Frederick Community College



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# Construction Management & Supervision

Construction managers evaluate building methods and materials, and determine the most costeffective plan and schedule. Typically they use estimating and scheduling techniques to bring construction projects to timely completion according to the architect's plans and within budget.

## **The Program**

The Construction Management and Supervision Program at FCC provides students with a broad range of knowledge and skills required for success in a career in construction management. Students in this program will learn technical expertise in construction methods, safety, materials used in construction projects, and how to read architectural plans. They will be trained in business management and communication, estimating job costs and managing project financing. Students will gain an understanding of construction law including related federal, state, and county codes. Students who study Construction Management and Supervision may go on to become Project Managers, General Superintendents, Estimators, and Construction Managers.

## **Program Objectives**

- Students will demonstrate an understanding of graphic communications (e.g. architectural drawings and specifications) for construction.
- Students will have an understanding of the methods used in the construction of commercial and/or residential construction projects covering procedures, equipment, materials and techniques.
- Students will be able to demonstrate

   a working knowledge of the complete
   construction process which includes
   effective planning, scheduling, and control
   of the overall construction project. Students
   will understand construction safety
   principles and practices, and be familiar
   with related federal/state/county codes.

## **Growth Potential**

The median annual wage for construction managers was \$87,400 in May 2015. Employment of construction managers is projected to grow 5 percent from 2014 to 2024. (Source: Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2016-17 Edition, Construction Managers )

## **Transfer Information**

FCC has articulation agreements with the following institutions for students graduating with an A.A.S. in Construction Management & Supervision and who are looking for transfer opportunities. For more information, contact the Counseling & Advising Office at 301.846.2471 or the Program Manager at 301.846.2611.

- Pennsylvania College of Technology B.A. Construction Management
- University of Maryland Eastern Shore –
  B.S. Construction Management Technology
- University of Maryland Eastern Shore, Main Campus & Universities at Shady Grove– B.S. Construction Management Technology Note: Some of the above articulation agreements may not result in transfer of all credits.

## **Financial Assistance**

FCC participates in federal, state and local financial aid programs. Students are encouraged to apply for financial aid, and for scholarships offered by the College and community. Financial aid applications are available in the Financial Aid Office, J301, or online at www.fafsa.ed.gov. The scholarship application is available at www.frederick.edu.

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CONSTRU	<b>CTION MANAGEMENT &amp; SUPERVISION</b>	A.A.S. Degree
Course		Credits
English		
EN 101	English Composition	3
Mathematic	5	
Mathemat	cs Elective (GenEd course list) (MA 130, MA 111 or MA 201 recom	nmended)
Social & Beh	avioral Sciences	
HS 102	Human Relations (satisfies cultural competence requirement)	3
Arts & Huma	nities	
CMSP 103	Speech Fundamentals or	
CMSP 105	Small Group Communication or	
CMSP 107	Career Communications	3
<b>Biological &amp;</b>	Physical Sciences	
	A Physical Sciences Elective (GenEd course list)	
	PC 103 or PC 109 recommended)	
-	nary & Emerging Issues	
CIS 101	Information Systems and Technology	3
	cation Elective	
	Ilness recommended)	3
PE/Health Re	-	
	elective satisfies this requirement)	3
•	al Requirements	
BU 272	Supervisory Management	
BU 273	Business Communication	
CON 101	Introduction to Construction Management	
CON 132	Materials & Methods of Construction I	
CON 133	Materials & Methods of Construction II	
CON 140	Architectural Blueprint Reading	
CON 203	Principles of Site Management	
CON 204	Construction Project Cost Estimating	
CON 205	Construction Accounting & Financial Management	
CON 206	Construction Project Scheduling	3
	of the following courses:	ſ
	CON 131, CON 171, CON 200, CON 202, CON 210, INTR 103	
Electives (C	heck with an advisor or transfer institution (ARTSYS) before selec	ung electives)3

#### **CONSTRUCTION MANAGEMENT & SUPERVISION**

Course

Course

Provides students with the technical knowledge and skills required for a career in construction management.

Departmental Requirements				
CON 101	Introduction to Construction Management	3		
CON 132	Methods and Materials of Construction I	3		
CON 133	Materials and Methods of Construction II	3		
CON 140	Architectural Blueprint Reading	3		
CON 203	Principles of Site Management	3		
CON 204	Construction Project Cost Estimating	3		
CON 205	Construction Accounting & Financial Management	3		
CON 206	Construction Project Scheduling	3		

#### **CONSTRUCTION TECHNOLOGY ACADEMY**

Provides students with the knowledge and skills required for an entry level position in construction management.

Course	Credits
Department	al Requirements
CON 101	Introduction to Construction Management3
CON 140	Architectural Blueprint Reading
CIS 101	Information Systems and Technology
CON 132	Materials and Methods of Construction I
CON 133	Materials and Methods of Construction II
CON/CIS	Take six credits from the following:6
CIS 111E	Microcomputer Software Applications: Spreadsheets, Any CON course not included above6

#### **CONSTRUCTION MANAGEMENT BASICS**

Prepares students with the basic skills needed in Construction Management. All of the courses in this LOR may be used in the Construction Management degree.

Departmental Requirements	
CON 101-Introduction to Construction Management	3
Select two of the following courses: CON 132, CON 133, CON 140, CON 150, CON 151	6

For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at www.frederick.edu/gainfulemployment.

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Credits

#### Letter of Recognition

21

Credits

9

#### Certificate

24

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