

Construction Management

This program prepares students for a variety of careers in the construction industry and related fields, such as estimators, schedulers, managers, surveyors, specifiers, quality control supervisors, materials testers, construction materials and equipment salespersons, and site inspectors. Although designed for career preparation, it also can serve students interested in continuing their studies leading to a bachelor's degree. Courses within this program utilize the latest industry-standard computer software for project scheduling, construction cost estimating, and contract and specification writing.

STUDENT LEARNING OUTCOMES:

Upon completion of this program graduates will be able to:

- Interpret architectural and construction drawings and documents.
- Demonstrate knowledge of various building materials and methods and related building technologies.
- Utilize computer systems for communication in technical drafting and documentation, project planning and management.
- Apply basic knowledge and skills in the investigation and resolution of construction planning, scheduling and management.
- Communicate effectively and work as part of a team using graphic, oral and written modes.

PROGRAM ENTRY REQUIREMENTS:

Students are required to take the College's placement tests at the time of entry. Students identified as needing developmental course work must satisfactorily complete the appropriate English and mathematics courses in addition to the requirements of their program.

PROGRAM OF STUDY AND GRADUATION REQUIREMENTS:

To qualify for the A.A.S. degree in Construction Management, a student must complete a minimum of 63 credits as prescribed and attain a minimum grade point average of 2.0 ("C" average).

CONSTRUCTION MANAGEMENT

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
FIRST SEMESTER			
ADC 101 – Introduction to Design and Construction		3	
ADC 103 – CAD Basics		3	Tech Comp*
ADC 112 – Construction Materials and Detailing		3	
ENGL 101 – English Composition I		3	ENGL 101
MATH 137 – Geometry for Design ¹ or higher level mathematics course		3	Mathematics
SECOND SEMESTER			
ADC 163 – Digital Documentation in Architecture and Construction	ADC 103	3	Tech Comp*
ADC 136 – Building Codes	ENGL 101 which may be taken concurrently	3	
ADC 186 – Surveying	ADC 101	3	Tech Comp*
ENGL 102 – English Composition II	ENGL 101	3	ENGL 102, Info Lit
ADC 212 – Materials and Detailing: Interiors and Enclosures	ADC 101	3	
THIRD SEMESTER			
ADC 236 – Construction Cost Estimating I	ADC 101	3	Tech Comp*
ADC 246 – Contracts and Specifications	ADC 101	3	Tech Comp*
Directed Elective – select one of the following:		3	
ADC 253 – Environmental Control Systems	ADC 101		
ADC 254 – Advanced Topics in Environmental Systems	ADC 253		
ADC 226 – Structures I – Analysis	ADC 101, MATH 118 or higher		
ADC 227 – Structures II – Design	ADC 226		
ADC 286 – Building Rehabilitation and Redevelopment	ADC 101		
Humanities Elective		3	Humanities
Social Science Elective		3	Social Sciences
FOURTH SEMESTER			
Directed Elective – select one from the list above		3	
Directed Elective – select one from the list above		3	
ADC 237 – Construction Cost Estimating II	ADC 236	3	
ADC 261 – Construction Management and Scheduling	ADC 246	3	Tech Comp*
Science Elective ¹		3/4	Natural Science
Social Science Elective		3	
MINIMUM CREDITS NEEDED TO GRADUATE		63	

General Education Requirements

All General Education requirements are met through required courses (as indicated above) except for the Writing Intensive, Interpretive Studies and American/Global Diversity requirements. Therefore, in order to graduate, students in this program must choose one course that is designated Writing Intensive, one course that is designated Interpretive Studies and one course that is designated American/Global Diversity. The same course may be used to fulfill all three requirements. A list of courses that fulfill these requirements and a more detailed explanation of the College's general education requirements appear elsewhere in this Catalog and on www.ccp.edu.

* Students must complete ADC 103, ADC 163, ADC 186, ADC 236, ADC 246 and ADC 261 to meet Technological Competency requirement.

¹ Transfer institutions vary on the courses accepted for transfer. Consult transfer agreements and departmental advisors or the specific schools to determine choice.

For More Information Contact:

The Division of Liberal Studies, Room BR-21, 1700 Spring Garden Street, Philadelphia, PA 19130, Telephone (215) 751-8450; or the College Information Center (215) 751-8010.