

Facility Management – Construction Option

The Facility Management program leads to an Associate of Applied Science (A.A.S.) degree in Facility Management. Facility Managers are the people who plan and manage the buildings, grounds and systems of large businesses and institutions. Often working behind the scenes, as a group they are involved in a broad array of activities: planning, management, finance and real estate, design, and building operations issues, including security and communications. The field is rapidly professionalizing, and opportunities abound in this highly-regarded industry. This program provides students with a foundational education addressing the multi-disciplinary character of the field, thereby allowing for diverse job opportunities. The core of the Facility Management curriculum addresses gaining the basic technical knowledge of construction materials, processes and systems, as well as the business management and real estate areas.

The Facility Management – Construction Option is designed to prepare students for an entry-level position as a facility manager or construction manager. Their construction knowledge may be applied in overseeing the building of new or renovated facilities, the installation of updated systems, or determining the construction issues related to expansion or new uses. They will work closely with those in the design areas. In any of these roles, the students will be prepared to interact with the senior management of their employer, dealing with multiple real estate issues.

The Construction Option focuses on construction and management issues specific to the building and renovating process, such as the installation of updated systems and finishes, building codes, cost estimating, and scheduling and contracting. This program gives the student an opportunity to understand the fundamentals of building construction, such as interpreting construction documents and specifications, understanding construction contracts, creating construction cost estimates, scheduling and managing building projects, and being familiar with the technical aspects of building materials and systems.

The Facility Management program also offers a Design Option (listed separately) that focuses on developing a student's planning and design skills to apply on both new and renovated buildings.

Students who are interested in the program are encouraged to consult an advisor within the program for a more detailed explanation of the two options. Also, the program has a set of core courses which are common to both degrees. Students who are unsure as to which option they would like to pursue may wish to begin with those courses which are required by both options, so that they may change their option more easily at a later point.

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 principles of planning, management and real estate practice.
- 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 degree program.

PROGRAM OF STUDY AND GRADUATION REQUIREMENTS:

To qualify for the A.A.S. degree in Facility Management, a student must complete a minimum of 62 credits as prescribed and attain a minimum grade point average of 2.0 ("C" average).

FACILITY MANAGEMENT – CONSTRUCTION OPTION

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*
LEAD 104 – Introduction to Leadership Studies		3	
ENGL 101 – English Composition I		3	ENGL 101
MATH 118 – Intermediate Algebra or above		3	Mathematics
SECOND SEMESTER			
ADC 112 – Construction Materials and Detailing		3	
ADC 163 – Digital Documentation in Architecture and Construction	ADC 103	3	Tech Comp*
MNGT 121 – Introduction to Business		3	
ENGL 102 – English Composition II	ENGL 101	3	ENGL 102, Info Lit
ADC 212 – Materials and Detailing: Interiors and Enclosures	ADC 101	3	Tech Comp*
THIRD SEMESTER			
ADC 253 – Environmental Control Systems	ADC 101	3	
ADC 246 – Contracts and Specifications	ADC 101	4	Tech Comp*
One course is selected from the following:		3	
MNGT 141 – Principles of Management	MNGT 121		
MNGT 142 – Management Information Systems	MNGT 121		
MNGT 246 – Principles of Operation Management	MNGT 121		
MNGT 262 – Business Law			
Humanities Elective		3	Humanities
ECON 182 – Principles of Economics (Micro)		3	

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FACILITY MANAGEMENT – CONSTRUCTION OPTION, *continued*

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
FOURTH SEMESTER			
RE 101 – Real Estate Fundamentals		3	
ADC 261 – Construction Management and Scheduling	ADC 246	4	Tech Comp*
One course is selected from the following:		3	
ADC 136 – Building Codes Systems	ENGL 101		
ADC 226 – Structures I – Analysis	ADC 101		
ADC 236 – Construction Cost Estimating I	ADC 101		
ADC 254 – Advanced Topics in Environmental Systems	ADC 253		
Science Elective ¹		3/4	Natural Science
Social Science Elective		3	Social Sciences
MINIMUM CREDITS NEEDED TO GRADUATE		62	

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 requirement. 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 212, ADC 246 and ADC 261 to meet the 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:

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Telephone (215) 751-8450; or the College Information Center (215) 751-8010.