

Facility Management – Design Option

The Facility Management curriculum 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 multidisciplinary 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 Design Option focuses particularly on developing planning and design skills for both new and renovated buildings.

The Facility Management – Design Option is intended to prepare a student for an entry-level position as a facility manager, space programmer, space planner or move coordinator. Their design skills will be utilized in designing renovations, planning expansions and supervising outside design consultants. They will work closely with those in the construction 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 Design Option listed here gives the student an opportunity to acquire design skills to apply toward new and renovated buildings, as well as evaluating and planning development sites. Experience with working in teams, as well as communicating design concepts is emphasized. The design studio, the core learning environment in design education, offers the opportunity to develop design skills and understand the conceptual framework of the design process.

The Facility Management program also offers a Construction Option (listed separately) which 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.

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:

- Demonstrate an understanding of the design process by solving specific design problems, synthesizing and applying technical, historical, cultural and theoretical concepts.
- Develop design drawings and models utilizing freehand drawing and modeling, mechanical drawing, and computer drafting and modeling.
- Apply basic principles of planning, management and real estate practice.

- Demonstrate knowledge of various finish materials and methods, furnishings and related interior products.
- 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 – Design Option, 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 – DESIGN 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* |
| ADC 109 – Design Studio I | | 4 | |
| 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 159 – Design Studio II | ADC 109 | 4 | Tech Comp* |
| MNGT 121 – Introduction to Business | | 3 | |
| Social Science Elective | | 3 | Social Sciences |
| ENGL 102 – English Composition II | ENGL 101 | 3 | ENGL 102, Info Lit |

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FACILITY MANAGEMENT – DESIGN OPTION, *continued*

| Course Number and Name | Prerequisites and Corequisites | Credits | Gen Ed Req. |
|---|---|----------------|--------------------|
| THIRD SEMESTER | | | |
| ADC 212 – Materials and Detailing: Interiors and Enclosures | ADC 101 | 3 | Tech Comp* |
| ADC 253 – Environmental Control Systems I | ADC 101 | 3 | |
| Directed Elective – Select one of the following: | | 3/4 | |
| ADC 160 – Architectural Presentation | ADC 109 | | |
| ADC 163 – Digital Documentation in Architecture and Construction | ADC 103 | | |
| ADC 192 – Light and Color | ADC 101 | | |
| ADC 254 – Advanced Topics in Environmental Systems | ADC 253 | | |
| ADC 209 – Design Studio III | ADC 159 and ADC 160 | | |
| LEAD 104 – Introduction to Leadership Studies | | 3 | |
| Humanities Elective | | 3 | Humanities |
| FOURTH SEMESTER | | | |
| ECON 182 – Principles of Economics (Micro) | | 3 | |
| RE 101 – Real Estate Fundamentals | | 3 | |
| One course is selected from the following: | | 3 | |
| MNGT 141 – Principles of Management | MNGT 121 which may be taken concurrently | | |
| MNGT 142 – Management Information Systems Management | MNGT 121 | | |
| MNGT 246 – Principles of Operation Management | MNGT 121 | | |
| MNGT 262 – Business Law | | | |
| Directed Elective – select one from the list above | | 3/4 | |
| Science Elective ¹ | | 3/4 | Natural Science |
| 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 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 159, and ADC 212 to meet the Technological Competency requirement.

¹ Transfer institutions vary on the courses accepted for transfer. Consult transfer agreements departmental advisors, or intended transfer school 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.