



Facility Management program revision

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Prepared by Paula Behrens

Facilitator: Pete Watkins

Currently, the Facility Management program is listed in the catalog as one program with two concentrations—design and construction. When the faculty developed the program they were not aware that the College’s software system, Banner, makes a significant distinction between an option and a concentration. Banner’s graduation compliance function treats a concentration almost like a ‘recommendation’ and allows students to graduate who have selected elective courses from across multiple concentrations. This was never the intent of the faculty, it was an unintended consequence of their choosing the word ‘concentration’ rather than ‘option’. In Banner, an ‘option’ forces students to choose one option and then meet all of the requirements for the one they chose, which was always the intent of the faculty.

This proposal creates two options. Students who complete the design option will earn a degree entitled Facility Management-Design Option, and those who complete the construction option will earn a degree entitled Facility Management-Construction Option.

To summarize, this change is not a change to the program as much as it is a change to the catalog language to ensure that Banner enforces what was the faculty’s intent all along. Rather than appearing on one catalog page, the two options will now appear on separate catalog pages and in Banner will be assigned individual program codes.

In addition, since this change was being made, some inconsistencies are being corrected and other minor changes are also being made.

First, in the current catalog, Lead 104 is listed as an elective in both options. Since it is in both options it should more properly be designated a core course.

Second, in the Construction Option, another course is being added to the elective choices: ADC 136, Building Codes, because it is a course similar to the other ones on the list and a good choice for some students.

Third, in the Design Option, currently the directed elective list requires two choices. However, one of the choices ADC 259, Design Studio IV has two prerequisites which are also directed electives-- ADC 160, Architectural Presentation, and ADC 209, Design Studio III. This means no student could take actually ADC 259—Design Studio IV within the degree program. It is being deleted from the choices.

Fourth, currently ADC 209 is a core course, but ADC 209 has ADC 160 (an elective) as a prerequisite. In the new revision, ADC 209 and ADC 160 are both directed electives.

Fifth, the current catalog states that students can earn the degree in 63 credits minimum, however this is incorrect; the actual minimum number of credits in the current degree program is 65 credits for the construction option and 66 credits for the design option. The current degree requires two humanities electives which exceeds the institution’s general education requirement. There is no clear rationale for this requirement. Therefore, the second humanities elective is being removed and the number of credits needed after the proposed revisions take effect is 62 credits for either option.

NEW Catalog Description:

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 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 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.

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).

Recommended Course Sequence	Course Number and Name	Prerequisites	Credits
Program Core Courses			
1	ADC 101 – Introduction to Design and Construction		3
2	ADC 103 – CAD Basics		3
3	ADC 109 – Design Studio I		4
6	ADC 112 – Materials of Construction		3
7	ADC 159 – Design Studio II	ADC 109	4
8	MNGT 121 – Introduction to Business		3
11	ADC 212 – Materials and Detailing: Interiors and Enclosures	ADC 101	3
12	ADC 253 – Environmental Control Systems I	ADC 101	3
13, 19	Two courses selected from the following: ¹ ADC 160 – Architectural Presentation ADC 163 - Digital Documentation in Architecture And Construction ADC 192 – Light and Color ADC 254 – Topics in Environmental System ADC 209 – Design Studio III	ADC 109 ADC 103 ADC 101 ADC 253 ADC 159;and ADC 160	6-7
14	LEAD 104 – Introduction to Leadership Studies		3
16	ECON 182 – Principles of Economics (Micro)		3
17	RE 101 – Real Estate Fundamentals		3

18	One course is selected from the following: MNGT 141 – Business Management Principles MNGT 142 – Management Information Systems MNGT 246 – Principles of Operation Management MNGT 262 – Business Law	MNGT 121 which may be taken concurrentl MNGT 121 MNGT 121	3
General Education Courses			
4	ENGL 101 – English Composition I		3
5	MATH 118 – Intermediate Algebra or above as per Placement		3
9	Social Science Elective ²		3
10	ENGL 102 – English Composition II or ENGL 112 – Report and Technical Writing	ENGL 101	3
15	Humanities Elective ²		3
20	Science Elective ¹		3/4

Total to Graduate: 62 credits minimum

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

² Either the social science or humanities elective must meet the American Diversity requirement. A list of courses which meet the American Diversity requirement appears elsewhere in this catalog.

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.

NEW Catalog Description:

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 determine 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 project, and being familiar with the technical aspects of building materials and systems.

The Facility Management program also offers a design option (listed separately) which 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.

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3	LEAD 104 – Introduction to Leadership Studies		3
6	ADC 112 – Materials of Construction		3
7	ADC 163 – CAD Building Documentation	ADC 103	4
8	MNGT 121 – Introduction to Business		3
11	ADC 212 – Materials and Detailing: Interiors and Enclosures	ADC 101	3
12	ADC 253 – Environmental Control Systems I	ADC 101	3
13	ADC 246 – Contracts and Specifications	ADC 101	4
14	One course is selected from the following: MNGT 141 – Business Management Principles MNGT 142 – Management Information Systems MNGT 246 – Principles of Operation Management MNGT 262 – Business Law	MNGT 121 MNGT 121 MNGT 121	3
16	ECON 182 – Principles of Economics (Micro)		3
17	RE 101 – Real Estate Fundamentals		3
18	ADC 261 – Construction Management Scheduling	ADC 246	3
19	One course is selected from the following: ADC 136 – Building Codes ADC 226 – Structures I (Analysis) ADC 236 – Construction Cost Estimating I ADC 254 – Topics in Environmental Systems	ENGL 101 ADC 101 ADC 101 ADC 253	3

General Education Courses				
4		ENGL 101 - English Composition I		3
5		MATH 118 – Intermediate Algebra or above as per Placement		3
9		Social Science Elective ¹		3
10		ENGL 102 – English Composition II or ENGL 112 – Report and Technical Writing	ENGL 101	3
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