

FACILITIES MANAGEMENT A.A.S.

60 Semester Credit Hours; Curriculum: 0362

This degree prepares students for employment in the management of small to large facilities. The curriculum emphasizes basic principles, making it possible for graduates to begin and progress rapidly in their careers. The program also provides opportunities for students to work as an intern at local companies. Specifically students will learn basic management practices, nine functions of facilities, and construction management as well as how to prepare documents for bids and organize staff to make facility run smoothly.

Note: Refer to IAI General Education Courses page for guidelines on General Education course selection.

Code	Title	Hours
General Education Requirements		
<i>Area A - Communications</i>		
EGL 101	Composition I	3
Select one of the following:		3
EGL 102	Composition II	
EGL 111	Introduction to Business and Technical Writing (recommended)	
EGL 212	Technical Writing Applications	
SPE 103	Effective Speech	
<i>Area B - Mathematics</i>		
Select one course from Area B		3
MAT 114	Applied Mathematics I (recommended)	
<i>Area C - Science</i>		
No course needed		0-3
PHY 101	Applied Physics (recommended)	
<i>Area D - Social and Behavioral Sciences</i>		
Select one course from a social or behavioral science discipline		3
ECO 110	Elements of Economics (recommended)	
<i>Area E - Humanities/Fine Arts</i>		
Select one course from a humanities or fine arts discipline		3
<i>Area F - Global Studies¹</i>		
Select one course that satisfies Global Studies requirement		0-3
<i>Area G - U.S. Diversity Studies²</i>		
Select one course that satisfies U.S. Diversity Studies requirement		0-3
Select other General Education credits: Additional credits from Areas B, C, D, E, F or G if needed to meet 18-credit-hour minimum		0-3
Total Hours		18

¹ Students may take a Global Studies course that satisfies both Area F and another Area requirement.

² Students may take a U.S. Diversity Studies course that satisfies both Area G and another Area requirement.

Code	Title	Hours
Major Requirements		
BUS 101	Introduction to Business	3
CAD 116	Basic AutoCAD	3

CIS 101 or CIS 103	Introduction to Computer Information Systems Computer Software and Concepts	3
FME 101	Introduction to Facilities Management and Engineering	3
FME 107	Blueprint Reading for Building Trades	4
FME 201	Mechanical, and Electrical Systems in Buildings	4
MGT 121	Principles of Management	3
Select courses of at least 19 credit hours from the following:		19
ACC 154	Principles of Managerial Accounting	
AHR 101	Introduction to Air Conditioning and Refrigeration	
AHR 212	Indoor Air Quality	
AHR 213	Commercial HVAC Systems Applications	
AHR 214	Energy Audit, Analysis and Management	
CAD 117	Intermediate AutoCAD	
MGT/CIS 236	Project Management	

Total Hours **42**

Program Learning Outcomes

1. Discuss nine areas of facility functions.
2. Demonstrate introductory knowledge in planning, programming, and budgeting.
3. Demonstrate understanding of real estate transactions and lease types for both residential and commercial facilities.
4. Explain at an introductory level the details of the design build cycle that leads to awarding of contracts.
5. Identify operations and maintenance needs of a facility.
6. Define and solve problems individually and with groups, using a variety of resources and methods, including technology.
7. Communicate findings effectively in writing and in speech.