

Facility Management Degree

Degree: Associate in Applied Science

Total Required Credits for Degree: minimum of 64

Program Requirements: 31

Program Electives: 15

General Education Credits: 18

Code: 3228

About the Program

The Facility Management program provides students with a broad exposure to the business area with specialty training in the functions of facility management. Upon completion of this program, students will possess the skills and educational background involved with managing facilities.

The program provides students with entry-level job skills used by facilities managers. It also helps those currently employed in the field update their knowledge or learn new skills.

Program web site: www.cod.edu/FacMgmt

Key First Semester Courses

Below is a recommended first semester schedule for full-time students. Consult with a faculty adviser for assistance in planning your schedule.

Facm 1100	Introduction to Facility Management	3
Engli 1101	English Composition I	3
Busin 1100	Introduction to Business	3
CIS 1150	Introduction to Computer Information Systems	3
Elective	Physical or Life Science	4

Program Requirements

Accou 1110	Accounting Procedures	4
OR		
Accou 1140	Financial Accounting	4
Arch 1111	Building Materials	4
Arch 1130	Blueprint Reading	2
Busin 1100	Introduction to Business	3
Facm 1100	Introduction to Facility Management	3
Facm 2202	Facility Systems — Electrical	3
Facm 2203	Facility Systems — Mechanical	3
Facm 2215	Facility and Property Management	3
Manag 2210	Principles of Management	3
CIS 1150	Introduction to Computer Information Systems	3
Total		31

Program Electives

Select 15 credits from following list:

Accou 1150	Managerial Accounting	4
Airc 1100	Refrigeration Principles	3
Airc 1105	Introduction to Safety, Materials and Equipment	3
Airc 1108	Refrigerant Certification	1
Airc 1110	Introduction to Controls	3
Airc 1112	Residential Refrigeration	3
Airc 1161	Introduction to Sheet Metal	2
Airc 1180	Introduction to Heating	5
Airc 1186	Introduction to Hydronics	2
Airc 1187	Central Heating Plants	3
Airc 2201	Residential Air Conditioning	3
Airc 2202	Commercial Air Conditioning	3
Airc 2205	Heat Pumps	2
Airc 2210	Commercial Refrigeration	5
Airc 2220	Installation	3
Airc 2225	Troubleshooting Systems	3
Airc 2230	Advanced Controls	3
Airc 2231	Direct Digital Control of HVAC Systems	3
Airc 2232	Energy Audits/Economics	2
Airc 2236	Central Cooling Plants	3
Airc 2240	Load Calculations and Duct Design	5
Airc 2241	Industrial Air Conditioning Design	3
Arch 1141	Construction Methods I	2
Arch 1200	Introduction to Computer-Aided Drafting — Microstation	3
Arch 1211	Basic Computer-Aided Drafting — AutoCAD	3
Arch 1301	Introduction to Construction Management	3
Arch 2142	Construction Methods II	2
Arch 2220	Architectural Computer Modeling	2
Arch 2240	Codes, Specifications and Contracts	3
Arch 2260	Construction Estimating	3
Busin 1111	Customer Service	3
Busin 2200	Business Budgeting	3
Busin 2210	Principles of Finance	3
Buslw 2211	Business Law I	3
CIS 1221	Introduction to Spreadsheets	3
Elect 1100	Electricity and Electronics Fundamentals	2
Elect 1101	Circuits I	3
Elect 1102	Circuits II	4
Elect 1141	Digital Fundamentals	3
Elect 1142	Digital Components and Architecture	3
Elect 2112	Motor Control	3
Elect 2245	Digital Systems Programming	4
Elect 2255	Industrial Controls	3
Elect 2262	Introduction to Microprocessors	4
Elmec 1100	Motor Fundamentals	3
Elmec 1101	Survey of Automation	3
Elmec 1110	Motor Fundamentals	3
Elmec 1120	Residential Wiring	3

(continued on next page)

Facility Management Degree

(continued from page 1)

Elmec 1130	Industrial Electricity.....	3
Elmec 1140	Commercial and Industrial Wiring.....	3
Elmec 1400	Maintenance Management Systems.....	3
Elmec 1410	Preventive and Predictive Maintenance.....	3
Engli 1105	Introduction to Technical Writing.....	3
Hort 1100	Introduction to Horticulture.....	3
Hort 1112	Landscape Maintenance and Construction ..	3
Hort 2231	Turf Science and Maintenance.....	3
Manag 1100	Supervision.....	3
Manag 2230	Purchasing.....	3
Manag 2240	Human Resource Management.....	3
Manuf 1104	Technical Mechanics.....	2
Manuf 1121	Physical Metallurgy.....	3
Manuf 1126	Introduction to Plastics.....	3
Manuf 1127	Engineering Materials of Industry.....	3
Manuf 1141	Hydraulics and Pneumatics.....	3
Manuf 1180	Quality Control.....	3
Marke 2210	Principles of Marketing.....	3
Psych 2210	Industrial and Organizational Psychology....	3
Reale 1110	Real Estate Transactions.....	3
Reale 1128	Property Management.....	1
Speec 1150	Introduction to Business Communication....	3
Weld 1100	Welding I.....	3
Weld 1112	Oxy Fuel, Welding, Plasma Cutting and Brazing.....	3

*General Education Requirements

Each candidate for an Associate in Applied Science (A.A.S.) degree shall satisfactorily complete a minimum of 18 credits in General Education. For the Facility Management degree, some General Education courses are already listed under program requirements. Therefore, students need a minimum of 15 General Education credits besides those listed under program requirements.

Use the *Student Planning Worksheet* or consult a list of General Education categories and courses for the A.A.S. degree to decide what needs to be taken. Links can be found on the Facility Management online program guide (www.cod.edu/FacMgmt).

Under the specified General Education headings below, the following courses are recommended for the Facility Management degree:

Communications: 6 credits required

Recommended courses: English 1101, 1105, Speech 1150

Physical/Life Sciences: 3 to 5 credits required

Select at least one course with a lab component.

Recommended courses: Chemistry 1211, Physics 1100

Mathematics: 3 to 5 credits required

Recommended course: Mathematics 1100

Humanities and Fine Arts: 3 credits required

Required course: Philosophy 1114

Social and Behavioral Sciences: 3 credits required

Recommended course: Psychology 1100 or Sociology 1100

Additional A.A.S. Degree Requirements

A minimum of 2 credits must be completed from the list of courses in the Global/Multicultural Studies or Contemporary Life Skills category.

Required course: CIS 1150 (already listed under Program Requirements)

Adviser

If you are considering this program as an area of study, consult with an adviser in this field:

Jim Huggins
E-mail: huggins@cod.edu

Phone
(630) 942-3275