

FACILITIES MANAGEMENT (FMGT), BACHELOR OF SCIENCE

OVERVIEW

At Dunwoody College of Technology, the Facilities Management bachelor's degree completion program prepares graduates for a career in managing the complex, networked buildings and facilities that are part of the modern built environment.

Students with a two-year degree in any of the following areas are eligible to enroll: construction, electrical, HVAC, welding, and surveying. Graduates gain expertise in managing building usage, construction planning, scheduling, estimating, contracts, energy efficiency and usage, construction accounting and finance, and property development. Graduates leave ready to pursue careers that serve nearly every industry, including healthcare, education, industrial, and government.

Coursework includes such topics as Construction Plans & Measurements, Strategic Planning, Construction Accounting, Negotiation & Conflict Resolution, Construction Planning, Construction Estimating, and Construction Planning & Scheduling. Hawk Core Curriculum courses enhance and support the technical coursework.

All courses are distance learning. As such the U.S. Department of Veterans Affairs considers this to be a distance learning program, which may affect the benefits of some veterans.

Length of Program: 2 years (4 semesters)

Classes Offered: Distance Learning

Available Starts: Fall Semester; Spring Semester

PROGRAM OUTCOMES

By the end of this program, students will be able to:

- Create operational strategies to plan, manage, and lead projects.
- Apply business tools to plan and budget for facility needs.
- Distinguish among various facilities management roles.
- Apply leadership principles to organizations, teams, and people.
- Integrate principles and practices of quality and safety.

DEGREE REQUIREMENTS

Facilities Management (FMGT) also has the following prerequisite courses, which may be taken at Dunwoody after acceptance into the program if the requirements have not been met during prior study: MGMT1000 and CMGT1131

Code	Title	Credits
Transfer Credits		45
General Requirements		
	Communications Elective	3
	Humanities Elective	3
	Natural Science/Mathematics Elective	3
	Social Science Elective	3
	General Elective	18

Technical Requirements		
CMGT1211	Construction Estimating I	3
CMGT1231	Construction Planning & Scheduling I	3
CMGT1313	Construction Contracts	1
CMGT3130	Quality Assurance & Risk	3
CMGT3211	Construction Accounting & Finance	3
CMGT3221	Construction Planning & Scheduling II	3
CMGT3306	Real Estate and Property Development	2
CMGT3310	The Role of Owners Representatives in CM	2
MGMT3112	Business Management	3
MGMT3221	Human Resource Management	3
MGMT3231	Strategic Planning	3
MGMT4112	Leadership	3
MGMT4221	Negotiation & Conflict Resolution	3
MGMT4231	Management Information Systems	3
PCET3003	Safety Engineering	3
Technical Elective		
Choose any Upper Division MGMT course(s)		4
Total Credits		120

COURSES Descriptions

CMGT1131 | Construction Plans & Measurements | Lecture (3 Credits)

Interpret architectural and engineering graphics and conventions using construction documents to identify materials and calculate quantities.

CMGT1211 | Construction Estimating I | Lecture/Laboratory (3 Credits)

Integrate material quantities with costs through take-offs, estimates and bid analysis, to predict project costs.

Prerequisite(s): CMGT1131

CMGT1231 | Construction Planning & Scheduling I | Lecture/Laboratory (3 Credits)

Analyze a sequence of construction tasks using network diagrams, Gantt charts, and the critical path method to create a project schedule.

CMGT1313 | Construction Contracts | Seminar (1 Credit)

Introduction to construction administration documents, systems, and procedures to understand the construction contracting process including planning and scheduling the job, bidding through closeout to meet project requirements.

CMGT3130 | Quality Assurance & Risk | Lecture (3 Credits)

Analyze the best allocation of people, processes, material, and equipment based on quality and productivity principles and expectations to maintain an efficient and safe work environment.

CMGT3211 | Construction Accounting & Finance | Lecture (3 Credits)

Apply basic accounting and finance concepts in the construction industry to analyze project data and financial statements to forecast, monitor and manage the costs of a construction project. Analyze the unique characteristics of construction accounting and finance through their use in budget development, securing funding, and cash flow to forecast the implementation of business decisions on financial statements.

CMGT3221 | Construction Planning & Scheduling II | Lecture/Laboratory (3 Credits)

Advanced principles and techniques of managing construction schedules to forecast and report progress for construction projects.

CMGT3306 | Real Estate and Property Development | Lecture (2 Credits)

Overview of real estate development and property management industry including idea inception, feasibility, contracts, and construction through asset and portfolio management. Provide a background of real estate development to enhance projects and communication with real estate developers and property managers.

CMGT3310 | The Role of Owners Representatives in CM | Lecture (2 Credits)

Explore the role of the owner's representative throughout the construction process from site selection through design, construction, and occupancy.

MGMT1000 | Principles of Accounting | Lecture (3 Credits)

Introduction to fundamental accounting concepts and cycles. Includes analyzing, interpreting, and recording transactions, as well as the preparation of financial statements, bank reconciliations and payroll transactions in accordance with commonly accepted accounting principles.

MGMT3112 | Business Management | Lecture (3 Credits)

Examine principles of management in the context of how firms are organized to analyze their management of finances, operations, human resources, processes and strategy to effectively meet an organization's mission, vision and goals.

MGMT3221 | Human Resource Management | Lecture (3 Credits)

Examine the role of the human resource professional through legal research, discussions and case studies to support the recruitment, development, and retention of employees.

MGMT3231 | Strategic Planning | Lecture (3 Credits)

Examine the strategy of the business unit and analyze the issues central to a firm's short and long term competitive success. Investigate various models and approaches to designing and conducting strategic planning.

MGMT4112 | Leadership | Lecture (3 Credits)

Examine the traits, skills and values of leadership through case studies, historical research and self reflection to develop an individual definition of leadership.

MGMT4221 | Negotiation & Conflict Resolution | Lecture (3 Credits)

Strategies and tactics for conflict analysis, assessment and negotiation using exercises and simulations to successfully manage negotiations and conflict.

MGMT4231 | Management Information Systems | Lecture (3 Credits)

Examine the ways businesses manage data arising from the field of information systems using presentations, discussion and case studies to influence business strategies, communications technology and information systems analysis.

PCET3003 | Safety Engineering | Lecture (3 Credits)

Examination of applicable safety codes to assure that engineered systems provide acceptable levels of safety through analysis of safety codes, case studies, and best practices that provides for the safe installation, operation, and maintenance of electric power and communication utility systems and electrical construction.