Construction Management Technology

Construction Management Technology (A35190)

Degree Awarded

Students planning to transfer to a four-year baccalaureate program should refer to the transfer degree in Construction Management

The Construction Management curriculum is designed to prepare individuals to apply technical knowledge and skills to the fields of architecture, construction, construction management, and other associated professions.

This program prepares individuals to supervise, manage and inspect construction sites, buildings, and associated facilities. It includes instruction in site safety, personnel supervision, labor relations, diversity training, construction documentation, scheduling, resource and cost control, bid strategies, rework prevention, construction insurance, and bonding, accident management and investigation, and applicable law and regulations.

Other course work includes instruction in sustainable building and design, print reading, building codes, estimating, construction materials and methods, and other topics related to design and construction occupations.

Graduates of this pathway should qualify for entry-level jobs in architectural, engineering, construction and trades professions, as well as positions in industry and government.

Admissions

- Completion of a high school diploma or equivalent is required.
- Many courses have prerequisites. Check the Courses section for details.

For More Information

The Construction Management program is in the Skilled Trades Division. For more information, contact the program chair at 704.330.4483 or the Skilled Trades Program office at 704.330.4424, weekdays from 8 a.m.–5 p.m.

General Education Requirements		
ENG 111	Writing and Inquiry	3.0
COM 231	Public Speaking	3.0
Select 3 credits of the following:		3.0
MAT 110	Mathematical Measurement and Literacy	
MAT 143	Quantitative Literacy	
MAT 171	Precalculus Algebra	
Select 3 credits of the following:		3.0
ART 111	Art Appreciation	
ART 114	Art History Survey I	
ART 115	Art History Survey II	
DRA 111	Theatre Appreciation	
HUM 120	Cultural Studies	
HUM 130	Myth in Human Culture	
MUS 110	Music Appreciation	
MUS 112	Introduction to Jazz	
PHI 215	Philosophical Issues	
PHI 240	Introduction to Ethics	
REL 110	World Religions	
Select 3 credits of the following:		3.0
ECO 251	Principles of Microeconomics	
ECO 252	Principles of Macroeconomics	
HIS 111	World Civilizations I	
HIS 112	World Civilizations II	
HIS 131	American History I	
HIS 132	American History II	
POL 120	American Government	
PSY 150	General Psychology	
SOC 210	Introduction to Sociology	
Major Requirements		
ACA 122	College Transfer Success	1.0
ARC 225	Architectural Building Information Modeling I	2.0
BPR 130	Print Reading-Construction	3.0
CMT 120	Codes and Inspections	3.0
CMT 210	Construction Management Fundamentals	3.0
CMT 218	Human Relations Issues	3.0
CMT 212	Total Safety Performance	3.0
CMT 214	Planning and Scheduling	3.0
CMT 216	Costs and Productivity	3.0
CMT 226	Applications Project	3.0
CST 111	Construction I	4.0
CST 241	Planning/Estimating I	3.0
SST 140	Green Building and Design Concepts	3.0
WOL 110	Basic Construction Skills	3.0
WBL 111	Work-Based Learning I	1.0
Select one of the following:		3.0
BUS 139	Entrepreneurship I	
BUS 230	Small Business Management	
Select 6 credits of the following:		6.0
ARC 112	Construction Materials & Methods	
AHR 113	Comfort Cooling	
ARC 114	Architectural CAD	
ARC 132	Specifications & Contracts	
ARC 221	Architectural 3-D CAD	
AHR 114	Heat Pump Technology	
PLU 111	Introduction to Basic Plumbing	
PLU 115	Basic Plumbing	
PLU 140	Introduction to Plumbing Codes	
MAS 140	Introduction to Masonry	
MAS 130	Masonry III	
WBL 110	World of Work	
AHR 130	HVAC Controls	
CAR 140	Basic Carpentry	
ARC 131	Building Codes	
ARC 132	Specifications & Contracts	
ARC 133	Construction Document Analysis	

ARC 225	Architectural Building Information Modeling I	
ARC 226	Architectural Building Information Modeling II	
BUS 110	Introduction to Business	
CIV 111	Soils and Foundations	
CIV 222	Reinforced Concrete	
CIV 230	Construction Estimating	
ELC 111	Introduction to Electricity	
ELC 112	DC/AC Electricity	
ELC 113	Residential Wiring	
ELC 115	Industrial Wiring	
SRV 110	Surveying I	
SPA 111 & SPA 181	Elementary Spanish I and Spanish Lab 1	
SRV 111	Surveying II	
SST 110	Introduction to Sustainability	
SST 120	Energy Use Analysis	
SST 130	Modeling Renewable Energy	
SST 210	Issues in Sustainability	
WLD 112	Basic Welding Processes	
WBL 121	Work-Based Learning II	
WBL 131	Work-Based Learning III	
WBL 211	Work-Based Learning IV	
CST 110	Introduction to Construction	
CST 112	Construction II	
Total Credits		**65**