

Construction Management Certificate

The Construction Management Certificate is designed to address the management training needs of supervisors in the construction industry. Necessary management skills include construction methods, safety, estimating and management; personnel supervision; business management; and financial and data management. Construction management practices are directed toward those encountered by small- to medium-sized contractors.

(Major Code 4750; CIP Code 52.2001)

Construction Management Program web page (<http://www.jccc.edu/academics/credit/construction-management/>)

Program Learning Outcomes

Johnson County Community College (JCCC) is committed to offering high-quality affordable programs that focus on developing knowledge and skills conducive to life-long learning. Both the General Education Student Learning Outcomes (<https://www.jccc.edu/about/leadership-governance/administration/institutional-effectiveness-branch/outcomes-assessment/learning-outcomes.html>) and Institutional Learning Outcomes (<https://www.jccc.edu/about/leadership-governance/administration/institutional-effectiveness-branch/outcomes-assessment/institutional-learning-outcomes.html>) convey JCCC's approach to programmatic outcomes. Additionally, students who successfully complete the Construction Management Certificate from JCCC will be able to:

- Apply effective communication, both orally and in writing.
- Apply the aptitude to schedule a basic construction project.
- Apply current technology related to the construction process.
- Apply the interpretation of construction documents (contracts, specifications, and drawings) used in managing a construction project.
- Apply basic principles of construction accounting.
- Apply basic surveying techniques used in building layout.
- Understand basic principles of ethics in the construction industry.
- Understand the fundamentals of contracts, codes, and regulations that govern a construction project.
- Understand basic construction methods, materials and equipment.
- Understand basic safety hazards on a construction site and standard prevention measures.
- Understand the basic principles of mechanical, electrical, and piping systems.

Certificate Requirements

First Semester

Code	Title	Hours
BUS 140	Principles of Supervision	3
CMGT 105	Construction Methods	3
CMGT 125	Construction Specifications*	2
DRAF 129	Interpreting Architectural Drawings	2
DRAF 143	Introduction to BIM Building Information Modeling*	2
MATH 130	Technical Mathematics I* (or higher)	3
Total Hours		15

Second Semester

Code	Title	Hours
ACCT 111 or ACCT 121	Small Business Accounting Accounting I	3
CMGT 129	Construction Management	3
CMGT 150	Construction Safety/OSHA-30	3
CMGT 160	Green Building Fundamentals*	3
CMGT 225	Construction Documents*	2



COMS 155	Workplace Skills	1
Total Hours		15

Total Program Hours: 30

* This course has registration requirements.