

CONSTRUCTION MANAGEMENT TECHNOLOGY, ASSOCIATE OF APPLIED SCIENCE



Program Information

Were you born with a take-charge attitude and a passion for building? Are you a natural-born leader with an interest in commercial and industrial planning? If so, then a career in construction management may be the right path for you.

The San Jacinto College Construction Management program:

- Is designed to prepare graduates in the field of commercial and industrial construction management. Graduates will assist in the planning, direction, and coordination of activities concerned with the construction and maintenance of commercial and industrial structures and facilities;
- Allows students to participate in the conceptual development and organization of a construction project, pricing and procurement, cost scheduling, and the overseeing of its organization, estimating, scheduling, and the implementation of the project; and
- Offers courses covering material familiarization, specialized construction fields such as civil, carpentry, mechanical, piping and plumbing systems, electrical/electronic, building envelopes, legal contracts, codes, permit processes, and state entities with an understanding of the green elements of each.

Career Opportunities

Graduates of San Jacinto College's Construction Management program have the opportunity to work as:

- Project managers,
- Superintendents,
- Estimators,
- Assistant project managers,
- Assistant superintendents,
- Project engineers,

- Field engineers, and
- Safety engineers.

As Houston continues to grow, the construction management job outlook remains positive. The Gulf Coast area is expected to add an estimated 1,970 construction manager positions annually through 2022.¹

¹ Source: US Bureau of Labor Statistics

Earning Potential

Construction manager. \$99,661 per year¹

¹ Source: texaswages.com (<http://texaswages.com>), median salary Gulf Coast region, 2020

For more information, students may contact 281-998-6150, x7346.

Campus

North Campus

San Jac Online

Information

The purpose of the Construction Management program is to prepare graduates in the field of commercial and industrial construction management. Graduates will assist in the planning, direction, and coordination of activities concerned with the construction and maintenance of commercial and industrial structures and facilities. They will participate in the conceptual development and organization of a construction project, pricing and procurement, scheduling and overseeing of its organization, estimating, and the implementation of the project. This includes material familiarization; specialized construction fields such as civil, carpentry, mechanical, and piping and plumbing systems; electrical/electronic; building envelopes; legal contracts; codes and permit processes through state and local identities with an understanding of the green elements of each.

The program will also prepare students to sit for the Occupational Safety and Health Administration (OSHA) 30-hour certification exam.

Students enrolling into San Jacinto College programs with external learning experiences (i.e., clinical, practicum, externship, cooperative, etc.) will be required to comply with the immunization requirements and policies of the clinical/external learning sites to engage in all clinical/external learning experiences. Vaccination requirements at clinical/external learning sites are implemented pursuant to the independent authority of such facilities and are not mandated by San Jacinto College. Failure to meet the immunization requirements mandated by clinical/external learning sites may limit a student's ability to complete the program and/or may delay the student's graduation date. San Jacinto College does not process exemptions, and students should address potential vaccination exemptions directly with the clinical/external learning site.

Plan of Study

3CSTR-MGMT

Prerequisites		Credits
ITSC 1309 or BCIS 1305	Integrated Software Applications I or Business Computer Applications	3
Credits		3
First Term		
MATH 1332 or MATH 1314	Contemporary Mathematics (Quantitative Reasoning) or College Algebra	3
CNBT 1210	Basic Construction Safety	2
CNBT 1311	Construction Methods & Materials I	3
CNBT 2310	Commercial/Industrial Blueprint Reading	3
CNBT 2342	Construction Management I	3
Credits		14
Second Term		
CNBT 1315	Field Engineering I	3
CNBT 2315	Construction Specifications and Contracts	3
CNBT 1446	Construction Estimating I	4
ENGL 1301	Composition I	3
Credits		13
Third Term		
CNBT 2435	Computer-Aided Construction Scheduling	4
CNBT 2440	Mechanical, Plumbing and Electrical Systems in Construction II	4
CNBT 1442	Building Codes and Inspections	4
CNBT 2366 or CNBT 2344	Practicum-Construction Technology or Construction Management II	3
Credits		15
Fourth Term		
Select one of the following:		3
SPCH 1311	Introduction to Speech Communication	
SPCH 1315	Public Speaking	
SPCH 1318	Interpersonal Communication	
SPCH 1321	Business and Professional Speech	
Social and Behavioral Sciences or Government/Political Science or American History		3
Language, Philosophy, and Culture (Humanities) or Creative Arts (Fine Arts)		3
BMGT 1301	Supervision	3
ENGL 2311	Technical and Business Writing	3
Credits		15
Total Credits		60

Capstone Experience: CNBT 2366 Practicum-Construction Technology or CNBT 2344 Construction Management II