

CONSTRUCTION MANAGEMENT INDUSTRIAL PROJECT MANAGEMENT SPECIALTY, 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 industrial construction? Are you working with your tools in industry and want to get on track to a salaried job with a high pay ceiling? If so, then a career in industrial project management may be the right path for you.

Are you currently working in industrial construction management as a foreman or superintendent and find your pathway to promotion blocked by the lack of a degree? This may be the place for you to earn the credential you need.

The San Jacinto College Construction Management Industrial Project Management Specialty program:

- Is designed to prepare graduates entering in the industrial sector to become successful in project management;
- Teaches students the skills needed to become successful team members and leaders;
- Equips students to make a positive contribution from day one in any of the junior construction management jobs available to recent graduates;
- Helps students learn to participate in the conceptual development and organization of a construction project, cost scheduling, estimating, scheduling, and the implementation of the project; and
- Offers courses covering industrial safety, field engineering, industrial blueprint reading, industrial scheduling, industrial estimating and cost control, industrial project execution, construction management, methods, and materials (steel, concrete, soil, and timber), and contracts.

Career Opportunities

Graduates of San Jacinto College's Construction Management Industrial Project Management Specialty program have the opportunity to begin working as junior members of the management team. Some of our graduates, who are already in management, will start higher. The junior members often start with assignments such as:

- Assistant project managers,
- Assistant superintendents,
- Contract administrators,
- Cost engineers,
- Estimators,
- Field engineers,
- Field schedulers, and
- Safety technicians.

Graduates will have the opportunity to earn promotions as quickly as their abilities permit to positions of:

- Construction managers,
- Project engineers,
- Project managers, and
- Superintendents.

As Houston continues to grow, the construction management job outlook remains positive. Employment of construction managers is projected to grow 8 percent from 2021 to 2031, faster than the average for all occupations.¹

¹ Source: US Bureau of Labor Statistics

Earning Potential

Construction manager: \$110,881 per year¹

¹ Source: texaswages.com (<https://texaswages.com/>), median salary Gulf Coast region, 2023

For more information, students may contact 281-459-7106.

Campuses

North Campus

San Jac Online

Information

The purpose of the Construction Management Industrial Project Management Specialty program is to prepare graduates in the field of industrial project and construction management.

We have several objectives for our graduates:

- Be productive from day one in an entry-level management assignment;
- Have a broad understanding of how construction works so that they can advance as quickly as their abilities permit in the field of construction management in the sector of their choice;
- Know how to learn on their own so that they can keep up in a rapidly changing field during their careers;

- Learn how to think critically so computer technology will not easily replace them; and
- Provide them with pathways to continue their education if a higher degree is needed for advancement.

The program also allows students to earn the Occupational Safety and Health Administration (OSHA) 30-hour certificate.

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

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Prerequisites		Credits
ITSC 1309 or BCIS 1305	Integrated Software Applications I or Business Computer Applications	3
Credits		3
First Term		
ENGL 1301	Composition I	3
CNBT 2342	Construction Management I	3
CNBT 2310	Commercial/Industrial Blueprint Reading	3
CNBT 1210	Basic Construction Safety	2
CNBT 1311	Construction Methods & Materials I	3
Credits		14
Second Term		
MATH 1332 or MATH 1314	Contemporary Mathematics (Quantitative Reasoning) or College Algebra	3
CNBT 1346	Construction Estimating I	3
CNBT 2371	Equipment, Piping, and Materials	3
CNBT 2335	Computer-Aided Construction Scheduling	3
CNBT 1315	Field Engineering I	3
Credits		15
Third Term		
CNBT 2315	Construction Specifications and Contracts	3
CNBT 2344	Construction Management II	3
CNBT 2372	Industrial Project Execution	3
BMGT 1301	Supervision	3
QCTC 1243	Quality Assurance	2
Credits		14
Fourth Term		
CNBT 2266	Practicum-Construction Technology	2
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		3
Language, Philosophy and Culture (Humanities) or Creative Arts (Fine Arts)		3
ENGL 2311 or ENGL 1302	Technical and Business Writing or Composition II	3
Credits		14
Total Credits		60

Capstone Experience: CNBT 2266 Practicum-Construction Technology