

# CONSTRUCTION MANAGEMENT 4-SECTOR SPECIALTY, CERTIFICATE OF TECHNOLOGY



## 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 residential, commercial, industrial, or infrastructure construction? If so, then a career in construction management may be the right path for you.

The San Jacinto College Construction Management 4-Sector Specialty program:

- Is designed to prepare graduates entering in all four of the construction industry sectors to become successful in Project Management;
- Teaches students the skills needed to become successful team members and leaders;
- Is designed to help students switch sectors later in their careers;
- 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, pricing and procurement, cost scheduling, and the overseeing of its organization, estimating, scheduling, and implementing the project; and
- Offers courses covering material familiarization, specialized construction fields such as civil, carpentry, mechanical, piping and plumbing systems, electrical systems, building envelopes, legal contracts, codes, permit processes, and with an understanding of the green elements of each.

## Career Opportunities

Graduates of San Jacinto College's Construction Management 4-Sector Specialty program have the opportunity to begin working as junior members of a management team with assignments such as:

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

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.<sup>1</sup>

<sup>1</sup> Source: US Bureau of Labor Statistics

## Earning Potential

Construction manager. \$110,881 per year<sup>1</sup>

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

For more information, students may contact 281-998-6350, x7765.

## Campuses

North Campus

San Jac Online

## Information

The purpose of the Construction Management 4-Sector Specialty program is to prepare graduates in the fields of commercial, residential, industrial, and infrastructure construction management.

We have several objectives for our graduates:

- Be productive from day one in an entry-level management assignment;
- Understand how the latest technology is being used to manage large projects;
- Have a broad understanding of how construction works so 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.

## Competency-based education (CBE)

CBE is defined as courses in which all instruction and class activities are fully online. Progression through the course is determined by the student's mastery of the competencies assigned to that course.

San Jacinto College is introducing CBE in the Construction Management 4-Sector Specialty, Certificate of Technology (4CSTR-MG4S) in several courses that constitute the first term of this certificate :

Code	Title	Credits
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
<b>Total Credits</b>		<b>11</b>

For more information, students may contact the Department Chair.

## Plan of Study

4CSTR-MG4S

First Term		Credits
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
<b>Credits</b>		<b>11</b>
Second Term		
CNBT 1315	Field Engineering I	3
CNBT 1346	Construction Estimating I	3
CNBT 2340	Mechanical, Plumbing and Electrical Systems in Construction II	3
CNBT 2335	Computer-Aided Construction Scheduling	3
QCTC 1243	Quality Assurance	2
<b>Credits</b>		<b>14</b>
Third Term		
CNBT 1342	Building Codes and Inspections	3
CNBT 2344	Construction Management II	3
CNBT 2315	Construction Specifications and Contracts	3
CNBT 2266	Practicum-Construction Technology	2
<b>Credits</b>		<b>11</b>
<b>Total Credits</b>		<b>36</b>

**Capstone Experience:** CNBT 2266