

# 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: \$109,793 per year<sup>1</sup>

<sup>1</sup> Source: [texaswages.com](https://texaswages.com/) (<https://texaswages.com/>), median salary Gulf Coast region, 2021

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

## 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