

Online Professional Certificates in Construction



Spring I 2025

Jan. 13–March 23

Last day to register: Jan. 20

Spring II 2025

April 7–June 15

Last day to register: April 14

Summer 2025

June 23–August 31

Last day to register: June 30

Build Your Path to Promotion

According to the U.S. Department of Labor, the construction industry hit record highs in June 2024 with more than 8 million employees across the country. Whether you're already part of this rapidly growing industry or seeking a foothold, taking part in one of SDSU's online construction programs can put you in a position to succeed in the construction industry.

Five Certificate Programs. Two Intro Courses. 100% Online

Introductory Construction Courses

Learn basic skills to jumpstart your career in one of two online introductory construction courses.

Civil Sitework

Learn how to select, use, and budget for transforming a plot of land into a developed site.

Construction Estimating

Get an overview of basic and advanced principles of construction estimating and bidding.

Construction Practices

Learn blueprint reading, estimating, scheduling, and the legal aspects of construction.

Construction Project Management

Learn how to manage a variety of projects through all stages—from proposal to timely and cost-effective completion.

Construction Supervision

Learn how to plan, prepare, and update project schedules; work with contract documents.

Courses may be taken individually. All courses are online. For an online demo, go to <https://constructionclasses.com/construction-students/potential-students/>.



All programs are offered in cooperation with the Associated General Contractors of America.



The Certificate in Construction Estimating courses are endorsed by the San Diego Chapter of the American Society of Professional Estimators.

Want to Learn More?

For more information, please contact SDSU Global Campus at recruiter.global@sdsu.edu.

1/7/25

Construction Intro Courses (Optional introductory courses)

| Core Courses | SP1 2025 | SP2 2025 | SU 2025 |
|---|----------|----------|---------|
| Introduction to Construction (1-unit) ENGR 16 | | | |
| Introduction to Concrete (1-unit) ENGR 17 | | | |

Professional Certificate in Civil Sitework Construction (Complete four core classes + one elective)

| Core Courses (complete all 4) | SP1 2025 | SP2 2025 | SU 2025 |
|--|----------|----------|---------|
| Construction Equipment & Methods ENGR 43 | | | |
| Practical Applications of Heavy Civil Construction ENGR 44 | | | |
| Estimating Civil and Sitework Construction ENGR 45 | | | |
| Civil Blueprint Reading and Materials ENGR 46 | | | |
| Elective Courses (complete one) | | | |
| Contract Documents & Construction Law ENGR 31 | | | |
| Planning and Scheduling ENGR 32 | | | |

Professional Certificate in Construction Estimating (Complete five of eight courses)

| Core Courses | SP1 2025 | SP2 2025 | SU 2025 |
|--|----------|----------|---------|
| Introduction to Construction Estimating (self-paced) ENGR 34 | | | |
| Essential Construction Math (self-paced) ENGR 35 | | | |
| Construction Blueprint Reading ENGR 33 | | | |
| Estimating & Bidding I ENGR 21 | | | |
| Estimating & Bidding II ENGR 22 | | | |
| Construction Materials & Processes ENGR 18 | | | |
| Planning and Scheduling ENGR 32 | | | |
| Estimating Civil and Sitework Construction ENGR 45 | | | |

Professional Certificate in Construction Practices (Complete any eight of 10 courses)

| Core Courses | SP1 2025 | SP2 2025 | SU 2025 |
|--|----------|----------|---------|
| Construction Materials & Processes ENGR 18 | | | |
| Estimating & Bidding I ENGR 21 | | | |
| Estimating & Bidding II ENGR 22 | | | |
| Contract Documents & Construction Law ENGR 31 | | | |
| Planning and Scheduling ENGR 32 | | | |
| Construction Blueprint Reading ENGR 33 | | | |
| Introduction to Construction Estimating (self-paced) ENGR 34 | | | |
| Essential Construction Math (self-paced) ENGR 35 | | | |
| Building Green Buildings: The Contractor's Perspective ENGR 38 | | | |
| Construction Productivity and Cost Mgmt ENGR 49 | | | |

Professional Certificate in Construction Project Management (Complete all five core courses + one elective)

| Core Courses (complete all five) | SP1 2025 | SP2 2025 | SU 2025 |
|--|----------|----------|---------|
| Planning and Scheduling ENGR 32 | | | |
| Building Green Buildings: The Contractor's Perspective ENGR 38 | | | |
| Construction Equipment & Methods ENGR 43 | | | |
| Construction Project Management ENGR 47 | | | |
| Practical Applications of Construction Law ENGR 50 | | | |
| Elective Courses | | | |
| Contract Documents & Construction Law ENGR 31 | | | |
| Problem Solving & Risk Management ENGR 48 | | | |
| Construction Productivity and Cost Mgmt ENGR 49 | | | |

Professional Certificate in Construction Supervision (Complete six core classes + two electives in area of emphasis)

| Core Courses (complete all six) | SP1 2025 | SP2 2025 | SU 2025 |
|--|----------|----------|---------|
| Leadership & Motivation ENGR 28 | | | |
| Oral & Written Communication ENGR 30 | | | |
| Contract Documents & Construction Law ENGR 31 | | | |
| Planning and Scheduling ENGR 32 | | | |
| Problem Solving & Risk Management ENGR 48 | | | |
| Construction Productivity and Cost Mgmt ENGR 49 | | | |
| Elective Courses (complete two in chosen area of emphasis) | | | |
| Emphasis in Civil Sitework | | | |
| Construction Equipment & Methods ENGR 43 | | | |
| Practical Applications of Heavy Civil Construction ENGR 44 | | | |
| Emphasis in Building | | | |
| Building Green Buildings: The Contractor's Perspective ENGR 38 | | | |
| Construction Project Management ENGR 47 | | | |

Course Fees

Introductory Course Fee: \$249

Certificate Course Fee: \$747

Textbooks: Approximately \$100–\$150 per class
(Subject to change)

Tuition Reimbursement

Many construction companies have training dollars available. If you work in the industry, ask your employer about tuition reimbursement. Additionally, our five construction certificate programs may be Workforce Partnership-Approved and eligible for tuition assistance under the Federal Workforce Innovation And Opportunity Act (WIOA). Learn more at <https://gc.sdsu.edu/workforceprograms>.

For more information, please contact SDSU Global Campus at recruiter.global@sdsu.edu.