

# Connect with the Resilient Construction Industry



The American Institute of Architect's (AIA) semi-annual Construction Consensus Forecast — a highly respected barometer of the construction industry — projects that lower energy prices, improved employment figures, and an enacted federal budget for 2016 are all consistent with a favorable outlook for the construction industry.

1/16-3/26

So whether you're already part of the industry or seeking a foothold, choose from our five online construction certificate programs to write your ticket for success.

**All Spring 2017 Courses Online Starting Jan. 16**

## Choose from Five Professional Certificate Programs

### Civil Sitework

Learn how to work with the earth; how to select, use, and budget for the best equipment needed to transform a plot of land into a developed site; and how to utilize related construction documents.

### Construction Estimating

Get an excellent overview of basic and advanced principles of construction estimating and bidding in the construction industry.

### Construction Practices

Learn the most important skills required for a successful construction career: blueprint reading, estimating, scheduling, and the legal aspects of construction.

### Construction Project Management

Learn the principles of project management — from planning and scheduling, to the legal aspects of construction, contracts and insurance, equipment selection; and the principles of green construction.

### Construction Supervision

Become a more effective supervisor by understanding the relationship between contract documents and the construction process; and learn how to plan, prepare, and update project schedules.



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.

**Course schedule on reverse.**

#### **Spring I-2017**

Jan. 16–March 26

LD: 1/23/17

#### **Spring II-2017**

April 3–June 11

LD: 4/10/17

#### **Summer 2017**

June 26–Sept. 3

LD: 7/3/17

#### **Fall 2017**

Sept. 11–Nov. 19

LD: 9/18/17

**Course Fee:** \$594 | **Textbooks:** Approximately \$100–150/class | **LD:** Last day to register

For details, visit [neverstoplearning.net/construction](http://neverstoplearning.net/construction) or visit our FAQ page at [neverstoplearning.net/constructionFAQS](http://neverstoplearning.net/constructionFAQS).

For an online demo go to [constructionclasses.com/potential\\_student.htm](http://constructionclasses.com/potential_student.htm).

For questions, please call (619) 594–3297, or email [construction.ces@sdsu.edu](mailto:construction.ces@sdsu.edu).

The College of Extended Studies is a state-approved provider for the federal workforce investment act and MyCAA benefits for these programs.



SAN DIEGO STATE UNIVERSITY

College of Extended Studies

*never stop learning<sup>sm</sup>*

### Professional Certificate in Civil Sitework Construction

(Complete four core classes + one elective)

Course Name/Course No.	Sp I 2017 LD: 1/23	Sp II 2017 LD: 4/10	Su 2017 LD: 7/3	Fa 2017 LD: 9/18
Construction Equipment and Methods ENGR 43	1/16– 3/26		6/26– 9/3	
Practical Applications of Civil Sitework ENGR 44		4/3 –6/11		9/11 –11/19
Estimating Civil Construction ENGR 45	1/16– 3/26		6/26– 9/3	
Civil Blueprint Reading and Materials ENGR 46		4/3 –6/11		9/11 –11/19
<b>Elective courses (complete either 1 of 2)</b>				
Contract Documents and Construction Law ENGR 31	1/16– 3/26		6/26– 9/3	
Planning and Scheduling ENGR 32	1/16– 3/26	4/3 –6/11	6/26– 9/3	9/11 –11/19

### Professional Certificate in Construction Estimating

(Complete any five of six courses)

Course Name/Course No.	Sp I 2017 LD: 1/23	Sp II 2017 LD: 4/10	Su 2017 LD: 7/3	Fa 2017 LD: 9/18
Introduction to Construction Estimating ENGR 34 (self-paced)	1/16– 3/26	4/3 –6/11	6/26– 9/3	9/11 –11/19
Essential Construction Math ENGR 35 (self-paced)	1/16– 3/26	4/3 –6/11	6/26– 9/3	9/11 –11/19
Construction Blueprint Reading ENGR 33	1/16– 3/26	4/3 –6/11	6/26– 9/3	9/11 –11/19
Estimating and Bidding I ENGR 21	1/16– 3/26	4/3 –6/11	6/26– 9/3	9/11 –11/19
Estimating and Bidding II ENGR 22	1/16– 3/26	4/3 –6/11	6/26– 9/3	9/11 –11/19
Construction Materials and Processes ENGR 18	1/16– 3/26	4/3 –6/11	6/26– 9/3	9/11 –11/19

### Professional Certificate in Construction Project Management

(Complete all five courses)

Course Name/Course No.	Sp I 2017 LD: 1/23	Sp II 2017 LD: 4/10	Su 2017 LD: 7/3	Fa 2017 LD: 9/18
Construction Project Management ENGR 47		4/3 –6/11		9/11 –11/19
Planning and Scheduling ENGR 32	1/16– 3/26	4/3 –6/11	6/26– 9/3	9/11 –11/19
Building Green Buildings: The Contractor's Perspective ENGR 38	1/16– 3/26		6/26– 9/3	
Construction Equipment and Methods ENGR 43	1/16– 3/26		6/26– 9/3	
Contract Documents and Construction Law ENGR 31	1/16– 3/26		6/26– 9/3	

### Professional Certificate in Construction Practices

(Complete any eight of 10 courses)

Course Name/Course No.	Sp I 2017 LD: 1/23	Sp II 2017 LD: 4/10	Su 2017 LD: 7/3	Fa 2017 LD: 9/18
Introduction to Construction Estimating ENGR 34 (self-paced)	1/16– 3/26	4/3 –6/11	6/26– 9/3	9/11 –11/19
Essential Construction Math ENGR 35 (self-paced)	1/16– 3/26	4/3 –6/11	6/26– 9/3	9/11 –11/19
Construction Blueprint Reading ENGR 33	1/16– 3/26	4/3 –6/11	6/26– 9/3	9/11 –11/19
Estimating and Bidding I ENGR 21	1/16– 3/26	4/3 –6/11	6/26– 9/3	9/11 –11/19
Estimating and Bidding II ENGR 22	1/16– 3/26	4/3 –6/11	6/26– 9/3	9/11 –11/19
Construction Materials and Processes ENGR 18	1/16– 3/26	4/3 –6/11	6/26– 9/3	9/11 –11/19
Contract Documents and Construction Law ENGR 31	1/16– 3/26		6/26– 9/3	
Planning and Scheduling ENGR 32	1/16– 3/26	4/3 –6/11	6/26– 9/3	9/11 –11/19
Building Green Buildings: The Contractor's Perspective ENGR 38	1/16– 3/26		6/26– 9/3	
Construction Productivity and Cost Mgmt ENGR 49 (previously ENGR 41)		4/3 –6/11		9/11 –11/19

### Professional Certificate in Construction Supervision

(Complete six core classes + two electives in area of emphasis)

Course Name/Course No.	Sp I 2017 LD: 1/23	Sp II 2017 LD: 4/10	Su 2017 LD: 7/3	Fa 2017 LD: 9/18
Leadership and Motivation ENGR 28		4/3 –6/11		9/11 –11/19
Oral and Written Communication ENGR 30	1/16– 3/26		6/26– 9/3	
Problem Solving and Risk Management ENGR 48 (previously ENGR 29)		4/3 –6/11		9/11 –11/19
Contract Documents and Construction Law ENGR 31	1/16– 3/26		6/26– 9/3	
Planning and Scheduling ENGR 32	1/16– 3/26	4/3 –6/11	6/26– 9/3	9/11 –11/19
Construction Productivity and Cost Mgmt ENGR 49 (previously ENGR 41)		4/3 –6/11		9/11 –11/19

**Elective courses (complete two in chosen area of emphasis)**

#### Emphasis in Civil Sitework

Construction Equipment and Methods ENGR 43	1/16– 3/26		6/26– 9/3	
Practical Applications of Civil Sitework ENGR 44		4/3 –6/11		9/11 –11/19

#### Emphasis in Building

Building Green Buildings: The Contractor's Perspective ENGR 38	1/16– 3/26		6/26– 9/3	
Construction Project Management ENGR 47		4/3 –6/11		9/11 –11/19

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