



COLORADO STATE UNIVERSITY PUEBLO

Extended Studies

Construction Project Manager

OVERVIEW

The Construction Project Manager Certificate is proposed to increase the critical mass of the Construction Management Program. The certificate consists of 3 courses (9 credit hours), which provides extensive and comprehensive knowledge in controlling and mentoring, and planning and management that required for the construction industry. The Certificate is intended to enhance the current construction industry professional's body of knowledge with advanced construction industry skills.

LEARNING OUTCOMES

- Apply knowledge, techniques, skills, and tools of the construction industry in construction activities.
- Select and apply knowledge of mathematics, science, and technology to construction problems.
- Perform standard tests, organize, and interpret test data, and apply test results to improve construction processes.
- Function effectively as members or leaders on construction teams.
- Communicate effectively regarding subjects related to construction activities.
- Demonstrate an understanding of professional and ethical responsibilities.

CURRICULUM

Course	Title	Credits
CET 303	Construction Management	3
CM 351	Construction Planning & Scheduling	3
CM 461	Construction Law	3
Total Credits		9



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Surveying & Modeling

OVERVIEW

The Surveying and Modeling Certificate in construction management is proposed to increase the critical mass of the Construction Management Program. The certificate consists of 3 courses (9 credit hours), which provides extensive and comprehensive knowledge in land surveying and civil drafting that required for the construction industry. The Surveying and Modeling Certificate is intended to enhance the current construction industry professional's body of knowledge with advanced construction industry skills.

LEARNING OUTCOMES

- Apply knowledge, techniques, skills, and tools of the construction industry in construction activities.
- Select and apply knowledge of mathematics, science, and technology to construction problems.
- Perform standard tests, organize, and interpret test data, and apply test results to improve construction processes.
- Function effectively as members or leaders on construction teams.
- Communicate effectively regarding subjects related to construction activities.
- Demonstrate an understanding of professional and ethical responsibilities.

CURRICULUM

Course	Title	Credits
CET 102	Surveying I	3
CET 103	Surveying II	3
CET 115	Civil Drafting I	3
Total Credits		9



Construction Safety, Law, and Management

OVERVIEW

The Safety, Law, and Management Certificate in construction management increases the critical mass of the Construction Management Program. The proposed certificate consists of 4 courses (10 credit hours) which provides extensive and comprehensive knowledge in safety procedures and OSHA, contract interpretation and code, planning and management that required for the construction industry. The Safety, Law, and Management Certificate is intended to enhance the current construction industry professional's body of knowledge with advanced construction industry skills.

LEARNING OUTCOMES

- Apply knowledge, techniques, skills, and tools of the construction industry in construction activities.
- Select and apply knowledge of mathematics, science, and technology to construction problems.
- Perform standard tests, organize, and interpret test data, and apply test results to improve construction processes.
- Function effectively as members or leaders on construction teams.
- Communicate effectively regarding subjects related to construction activities.
- Demonstrate an understanding of professional and ethical responsibilities.

CURRICULUM

Course	Title	Credits
CET 303	Construction Management	3
CM 101	Intro to Construction Management	2
CM 445	Construction Safety	2
CM 461	Construction Law	3
Total Credits		10



Construction Procurement

OVERVIEW

The Construction Procurement Certificate in construction management is proposed to increase the critical mass of the Construction Management Program. The certificate consists of 3 courses (9 credit hours), which provides extensive and comprehensive knowledge in procuring construction service, identifying scope of work, and planning and management that required for the constructing industry. The Construction Procurement Certificate is intended to enhance the current construction industry professional's body of knowledge with advanced construction industry skills.

LEARNING OUTCOMES

- Apply knowledge, techniques, skills, and tools of the construction industry in construction activities.
- Select and apply knowledge of mathematics, science, and technology to construction problems.
- Perform standard tests, organize, and interpret test data, and apply test results to improve construction processes.
- Function effectively as members or leaders on construction teams.
- Communicate effectively regarding subjects related to construction activities.
- Demonstrate an understanding of professional and ethical responsibilities.

CURRICULUM

Course	Title	Credits
CM 351	Construction Planning & Scheduling	3
CM 465	Construction Accounting & Finance	3
Select one of the following:		
CET 304	Building Cost Estimating	3
CET 305	Heavy/Highway Cost Estimating	3
Total Credits		9



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Estimating & Planning Construction Costs

OVERVIEW

The Estimating & Planning Construction Costs certificate provides students with an understanding of the current planning and cost affecting the construction industry.

LEARNING OUTCOMES

- Apply knowledge, techniques, skills, and tools of the construction industry in construction activities.
- Select and apply knowledge of mathematics, science, and technology to construction problems.
- Perform standard tests, organize, and interpret test data, and apply test results to improve construction processes.
- Function effectively as members or leaders on construction teams.
- Communicate effectively regarding subjects related to construction activities.
- Demonstrate an understanding of professional and ethical responsibilities.

CURRICULUM

Course	Title	Credits
CET 304	Building Cost Estimating	3
CET 305	Heavy/Highway Cost Estimating	3
CM 351	Construction Planning & Scheduling	3
Total Credits		9