

Norco College
1st Read for Desert Regional Consortium
Construction Management

1. Overview of program being proposed.

This 18 unit certificate will prepare individuals to understand the people and principle phases involved in the design of construction projects. This program will introduce the skills required to effectively manage and supervise a construction management team. This includes understanding the basics for estimating, scheduling, and controlling costs of a construction project. Completion of this program prepares students for gainful employment as a construction manager, foreman, construction area manager, construction superintendent, or construction project manager.

This certificate is a repackaging of our college’s existing courses required for the “Construction Technology” certificate and degree program, with just 2 additional Construction classes required and 1 additional Management course.

2. Labor Market information detail.

B. Need

8. Labor Market Information & Analysis (CTE only)

Our regional Center of Excellence provided labor market data for our CTE Enhancement Fund applications (Source: QCEW Employees - EMSI 2014.2 Class of Worker). This report included Construction Managers with 68 Total annual Job Openings (2013-2016) and documented a median living wage \$48.47.

SOC	Description	2013 Jobs	2016 Jobs	Change	% Change	Replacements	Openings	Annual Openings
11-9021	Construction Managers	1,968	2,015	47	2%	157	204	68

Employer Survey (CTE only)*

Pending

3. Are there other similar programs within Region 9 which may be adversely impacted?

This program fall under TOP Code 0957. The only other program within the Inland Empire within this same TOP code is College of the Desert’s Construction Management certificate and AS degree program. Their certificate program is 28 units, with a 60 unit as well as a 67 unit AS degree option.

According to the CCCC Data Mart Program Awards Summary Report, COD awarded 5 certificates in 2013-14, 5 in 2012-2013, and 11 awards in 2011-12. Given the geographical distance between colleges and the high labor market demand in the Inland Empire, there is no projected adverse effect by the creation of this program.

4. Alignment with secondary programs in the region to develop pathways and the CTE pipeline. List where applicable, otherwise indicate 'NONE'.

a. List the secondary and ROP feeder districts in the college's service area.

We have articulation agreements for construction classes with Colton-Redlands-Yucaipa ROP, Riverside County Office of Education (ROP) and San Bernardino City Unified School District.

b. What is the plan for coordination with feeder districts to build the CTE pipeline for this program?

Norco College plans to reach out to Colton-Redlands-Yucaipa ROP, Riverside County Office of Education (ROP) and San Bernardino City Unified School District to renew articulation agreements for construction courses required in this certificate - and to additional USDs to discuss establishing similar articulation agreements into this program.

5. Is there a coordination of pathways with secondary and transfer post-secondary programs in the area?

Yes, CON-61 and CON-62 are articulated with Cal Poly Pomona, and CON-74 was articulated with Cal State Long Beach this year. Moreover, we have an articulation agreement with California Baptist University's Construction Management program where they will accept 13 courses from Norco College towards their Construction Management major.

6. Other information the college wishes to share.

Our PLOs, and course composition is:

PROGRAM LEARNING OUTCOMES

Upon successful completion of this program, students should be able to:

1. Understand the people involved and the principle phases in the design of the construction process.
2. Apply the skills required to effectively manage and supervise a construction management team.
3. Understand the basics for estimating, scheduling, and controlling costs of a construction projects.

Required Courses		Units
Con 61	Materials of Construction	3
Con 62	Blueprint Reading	3
Con 73	Project Planning for Site Construction	3
Con 74	Construction Estimating	3
Con 80	Construction Scheduling	3
Mag 51	Elements of Supervision	3