

## **Overall/Day to Day**

- **Plan/Direct**
  - Supervise construction and/or related workers
  - Acquisition of land for construction projects
  
- **Coordinate**
  
- **Delegate**
  - Subordinate supervisory personnel
  
- **Oversee**
  - Contract or oversee craft work, such as painting or plumbing
  
- **Schedule**
  - Determine labor requirements for dispatching workers to construction sites
  
- **Budget**
  - Develop construction budgets that compare green and non-green construction alternatives in terms of short-term costs, long-term costs, or environmental impacts
  - Requisition supplies/materials to complete construction projects
  
- **Implement**
  - Implement training programs on environmentally responsible building topics to update employee skills and knowledge
  
- **Strategize**
  - Apply green building strategies

- Cost reduction
- Minimize environmental impact
- Procure Leadership in Energy Efficient Design (LEED) or other environmentally certified professionals to ensure responsible design and building activities or to achieve favorable LEED ratings for building projects
- **Evaluate**
  - Construction methods and determine cost-effectiveness of plans, using computer models

**Link to Investigate Further:** <http://www.ecs.csus.edu/cm/>

## **Common Interests and Values**

- **Interest code: ERC**
  - Enterprising Realistic Conventional
- **Value outdoor working conditions, independence and achievement**

## **Required Knowledge Base**

- **Building and Construction**
  - Materials, methods, and tools involved in construction or repair of houses, buildings, or other structures such as highways and roads
- **English Language**
  - Knowledge of structure and content of English language including meaning and spelling of words, rules of composition, and grammar
- **Engineering and Technology**
  - Practical application of engineering science and technology including applying principles, techniques, procedures, and equipment to design and production of various goods and services

- **Administration and Management**
  - Business and management principles involved in strategic planning, resource allocation, human resources modeling, leadership technique, production methods, and coordination of people and resources
- **Mathematics**
  - Arithmetic, algebra, geometry, calculus, statistics, applications

**Link to Investigate Further:** <http://www.cacareerzone.org/profile/11-9021.00>

## **Necessary Soft Skills**

- **Speaking**
  - Talking to others to convey information effectively
- **Active Listening**
  - Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times
- **Critical Thinking**
  - Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems
- **Reading Comprehension**
  - Understanding written sentences and paragraphs in work related documents
- **Coordination**
  - Adjusting actions in relation to others' actions
- **Complex Problem Solving**
  - Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions

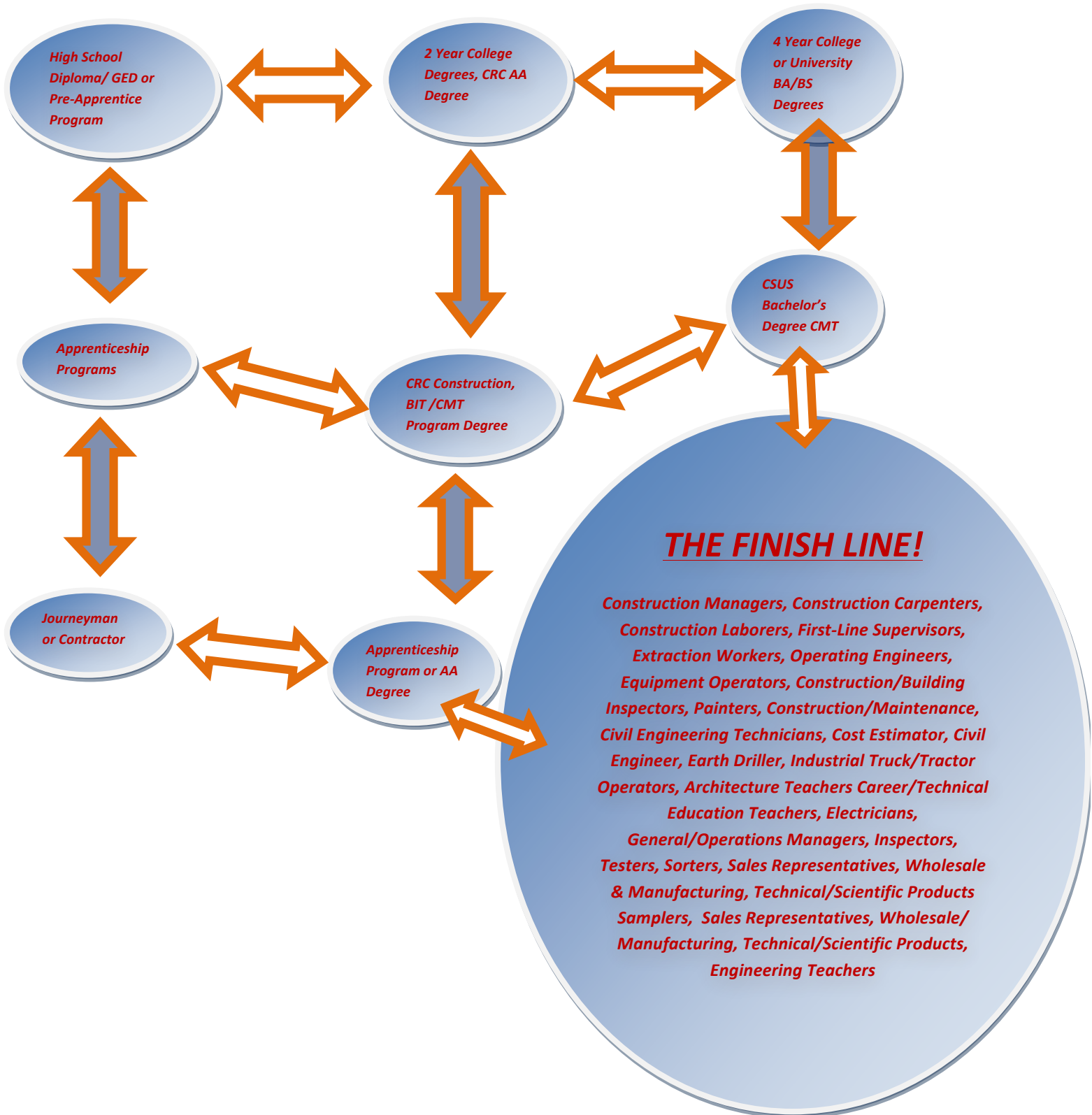
**Link to Investigate Further:** <http://www.cacareerzone.org/profile/11-9021.00>

# CONSTRUCTION MANAGEMENT CAREER PATH | 2013

Industry Growth: 1.5% increase

Average annual wage in California: \$105,700

Low: \$63,180 -----High: \$156,390



**IN REACH**



PROFESSORS/DEPARTMENT LIAISONS



CLASSROOM PRESENTATIONS

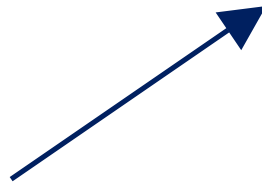


WORKSHOPS → PROGRAM REFERRALS



**ADVISORY BOARD**

**PARTNERSHIPS: HIGH SCHOOLS/COMMUNITY COLLEGES/UNIVERSITIES/EMPLOYERS**



**OUTREACH**



APPRENTICESHIPS/AA DEGREE, CERTIFICATES



BS DEGREE, TARGETED CLASSES



STUDENT FEEDER MECHANISMS

# CONSTRUCTION AND BUILDING TRADES

## CalApprenticeship.org

### Pre-Apprenticeship Programs

- Northern California Construction and Training (NCCT)  
Contact: Jake Meehan (916) 869-5042 [jake@ncct.org](mailto:jake@ncct.org)  
Description: program prepares students for apprenticeship in laborer union, electrician, and plumbing. 6-9 month program, no age limit, free of cost.
- Cosumnes River College-Construction Technology Program  
Contact: Ryan Connally (916) 691-7353 [connalr@losrios.edu](mailto:connalr@losrios.edu)  
Description: prepares students for apprenticeship in building and construction industry. Two semester program (16 weeks).  
Cost-CRC tuition rates. Financial Aid available for eligible students.

### Union Apprenticeship Programs:

- Sacramento Area Electrical Apprenticeship (IBEW)  
Contact: Dennis Morin (916) 646-6688 [dmorin@340jatc.org](mailto:dmorin@340jatc.org)  
Description: 5 year paid program (8000 hours) for Electricians.  
Requirements: Aptitude test, drug test, High School diploma or equivalent required. Must have at least 1 year of HS Algebra or 1 semester of college Algebra (with C or better) required. Must have valid California license.
- Operating Engineers in Rancho Murieta  
Contact: (916) 354-2029 or visit [www.oe3.org](http://www.oe3.org)  
Requirements: Assessment test and substance abuse test.  
Description: Training program for construction equipment operators and heavy duty repairmen.

## Non-Union Apprenticeship Programs

- Plumbing-Heating-Cooling Contractors (PHCC)  
Contact: Steve Hoffman (916) 640-0910 [s.hoffman@phccgsa.org](mailto:s.hoffman@phccgsa.org)  
Description: 4 year (7200 hour) no cost program.  
Requirement: Entry level exam required.
- Western Electrical Contractors Association (WECA)  
Contact: Terrie Seabury (916) 453-0112 [info@goweca.com](mailto:info@goweca.com)  
Description: Prepares students for Electrician work. Program is partnered with Sierra College.  
Requirements: Must be 18 years of age, High School diploma or equivalent required, basic skills and aptitude test, algebra equivalency and color perception exam required. Oral interview and drug test.