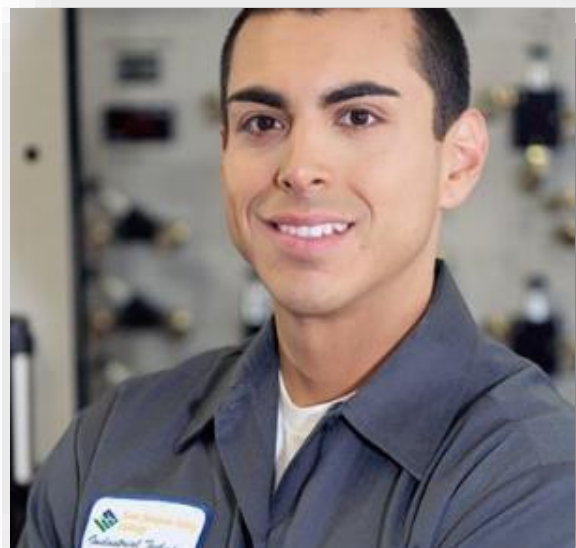




SAN JOAQUIN VALLEY COLLEGE

**SUPPLEMENT TO THE
2022 COLLEGE CATALOG**



SUPPLEMENT TO THE 2021 COLLEGE CATALOG

This document is a supplement to the 2021 College Catalog and is provided for the purpose of notifying students of corrections and/or updates to College policy, programs, courses, admissions and graduation requirements which have occurred since the Catalog's publication.

This is a living document; revisions will be added until publication of the next Catalog.

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SECTION 7: BACCALAUREATE DEGREE, ASSOCIATE DEGREE, AND CERTIFICATE PROGRAMS

CONSTRUCTION MANAGEMENT

REVISION: The Construction Management Associate of Science degree programs at the Ontario campus and via the Online Division have been revised, as set forth below. **This revision is effective with the April 4, 2022 start date.** (Catalog p. 87, rev. 01.19.22)

Construction Management

This program is offered through the **Online Division** and at the **Ontario** campus.

Program Description

The Construction Management program is 60 weeks in length and prepares graduates to manage residential and commercial construction projects. Students are trained to prepare competitive project proposals, supervise construction sites, and effectively communicate with clients and workers. Students are prepared for the management responsibilities they will face on the job at construction sites.

Program Student Learning Outcomes

Upon completion of this program, the successful student will be able to:

1. Organize, sequence, and manage construction projects with focus on successful outcomes, from predevelopment through project close out
2. Utilize project management tools to evaluate construction project variables, identify challenges, and generate solutions
3. Use communication and presentation skills to communicate with stakeholders and foster trust, teamwork, and effective supervision strategies for diverse audiences
4. Assess potential legal issues in construction projects for liability awareness, prevention, and risk identification
5. Use principles that account for a diverse world, a teachable attitude, and a commitment to professional development and learning
6. Apply appropriate concepts of communication, reasoning, critical thinking, ethical behavior, and interpersonal interaction to personal and professional situations
7. Demonstrate the social skills, professional appearance, attitudes and behavior that employers expect from all **SJVC** graduates

Graduation Requirements

- Successful completion of the courses listed below
- Successful completion of the Career Services Seminar (CSS 100)

Credential and Professional Certifications

Graduates earn an Associate of Science in Construction Management.

Graduate Employment

The following job categories are considered in-field to calculate the graduate employment rates required by the state of California for graduates of the Construction Management program. Detailed information for each Standard Occupational Classification (SOC) can be found at <http://www.onetonline.org/>.

- Construction Managers (11-9021.00)
- Cost Estimators (13-1051.00)
- Purchasing Agents, Except Wholesale, Retail, and Farm Products (13-1023.00)

Core Course Requirements

Course ID	Course Name	Credit Units
COMP 101	Computer Literacy and Applications for the Professional	3.0
CON 100	Construction Materials	3.0
CON 107	Construction Blueprints	3.0
CON 115	Applied Mathematics for Construction Management	3.0
CON 117	Construction Documents and Methods	3.0
CON 127	Project Scheduling and Control	5.0
CON 136	Construction and Labor Laws	3.0
CON 138	Estimating and Bidding for Residential and Commercial Projects	5.0
CON 142	Construction Management Supervision	3.0
CON 147	Construction Project Management	5.0

General Education Course Requirements

Course ID	Course Name	Credit Units
ENG 121	Reading and Composition – Part A	3.0
ENG 122	Reading and Composition – Part B	3.0
MTH 121	College Algebra – Part A	3.0
MTH 122	College Algebra – Part B	3.0
PHIL 1C	Ethics	3.0
NSC 1	Introduction to Natural Science	3.0
PSY 1	General Psychology	3.0
SOC 1	Introduction to Sociology	3.0
Total		24.0
Program Total		60.0

RESPIRATORY THERAPY

CORRECTION: Course titles for the following have been corrected on the Respiratory Therapy Associate of Science degree program page, as set forth below. (Catalog p. 124, rev. 01.19.22)

Course ID	Course Name	Credit Units
RCP 170	Neonatal and Pediatric Respiratory Care	7.0
RCP 180	Specialized Respiratory Care	5.0
RCP 190	Advanced Respiratory Care	7.0

SECTION 8: COURSE DESCRIPTIONS

REVISION: The following course descriptions have been revised for the Construction Management Associate of Science degree program. (Catalog p. 178, rev. 01.19.22)

CON 100: Construction Materials

3.0 units – 45 hours

This course provides an overview and study of the principal construction materials used within the construction industry: concrete, masonry, metals, woods, and thermal materials. The course also examines the general requirements of a construction project and the techniques of project mobilization. The course includes focus on the CSI Master Format.

CON 115: Applied Mathematics for Construction Management

3.0 units – 45 hours

This course provides practical application of topics in algebra which offer students the opportunity to relate and apply mathematical concepts to real-world situations.

CON 142: Construction Management Supervision

3.0 units – 45 hours

All methods of field supervision in construction will be identified in this course. Topics will include administrative procedures, quality control, scheduling, and bidding. Students will investigate and discuss basic principles of business management, how to be an effective manager, and the best practices of supervision and motivation. Students will also discuss OSHA safety and health principles, and how to lead teams to successful outcomes.

ADDITION: The following course descriptions have been added for the Construction Management Associate of Science degree program. (Catalog p. 178, rev. 01.19.22)

CON 107: Construction Blueprints

3.0 units – 45 hours

This course is an introduction to architecture-related design and working document evolution, including the design process, the establishment of architectural criteria, blueprint reading, technical specifications, and the development of drawings and designs. In addition, students will enhance the critical communication skills needed to interact with design professionals.

CON 117: Construction Documents and Methods

3.0 units – 45 hours

This course provides an overview of team member roles and responsibilities throughout the progress of a construction project. The purpose and intent of construction documents used in the construction process are introduced to effectively manage a project. This course also examines the procedures and methods used to systematically plan, organize, manage, control, and document jobsite activities.

CON 127: Project Scheduling and Control

5.0 units – 75 hours

This course is the study and application of Critical Path Method which includes planning, scheduling, and control of construction projects together with a foundational approach to construction industry software. The student will discuss the use of logic, time assignment, and computation, analysis, re-evaluation, computer applications, and management responsibilities.

CON 136: Construction and Labor Laws**3.0 units – 45 hours**

This course provides an orientation to the rules and regulations that govern the construction industry. Students will study contract law, state lien laws, tort law, federal and state labor-oriented regulations, and dispute resolution methods. They will discuss the role of organized labor in construction industry practices.

CON 138: Estimating and Bidding for Residential and Commercial Projects**5.0 units – 75 hours**

This course introduces students to residential and commercial cost estimating, including reading and interpretation of blueprints, plans, specifications and other project documents; principles of building costs; estimate and construction cost control; and practice in preparing bids for prospective buyers. Techniques and rationale used analysis in estimating residential, commercial, and heavy construction projects are evaluated. Special focus is given to the formatting and preparation of competent construction cost estimates with an emphasis on the use of computer applications.

CON 147: Construction Project Management**5.0 units – 75 hours**

This course explores the construction manager's relationship and communication with internal and external project participants. In addition, the student will examine the administrative and project management responsibilities required to meet the performance objectives of the project.

REVISION: Effective with the April 4, 2022 start date, course descriptions for the following will be removed.
(Catalog p. 178, rev. 01.19.22)

CON 105: Design Theory

CON 106: Blueprint and Plan Reading

CON 111: Materials and Architectural Design

CON 112: Construction Documents and Methods

CON 113: Construction and Labor Laws

CON 114: Computer Applications and Strategic Communications

CON 116: Construction Business, Accounting and Financial Management

CON 120: Construction Methods

CON 125: Scheduling and Control

CON 126: Project Scheduling and Strategic Communication

CON 135: Estimating & Bidding for Residential & Commercial Projects

CON 137: Quality Survey, Estimating & Bidding for Construction

CON 141: Construction Management Supervision

CON 146: Construction Project Management and Contract Documents

CON 155: Competitive Business Presentations and Strategic Communications

Revision: Titles of the following course descriptions have been corrected. (Catalog p. 195-196, rev. 01.19.22)

RCP 170: Neonatal and Pediatric Respiratory Care

7.0 units – 150 hours

The focus of this course is special applications in respiratory care, and neonatal and pediatric respiratory care. Topics include neonatal and pediatric anatomy, physiology, and pathology. Specialized diagnostics and certifications also occur during this course. **A grade of "C" or higher is required to pass this course.**

RT 180: Specialized Respiratory Care

5.0 units – 90 hours

The focus of this course is advanced pulmonary function testing and critical care with emphasis on hemodynamic monitoring. Topics include advanced physical, radiological, and clinical laboratory assessment along with invasively monitored cardiac assessment and special procedures. Routine and specialized pulmonary function tests are also covered. **A grade of "C" or higher is required to pass this course.**

RCP 190: Advanced Respiratory Care

7.0 units – 150 hours

The focus of this course is alternate work sites and job readiness for successful employment in Respiratory Care. Topics include land/air patient transport, disaster management, patient and family education and health management, case management, home care, long term care, pulmonary rehabilitation, and sleep studies. Job readiness along with licensure and credentialing examination preparation also occurs in this course. **A grade of "C" or higher is required to pass this course.**