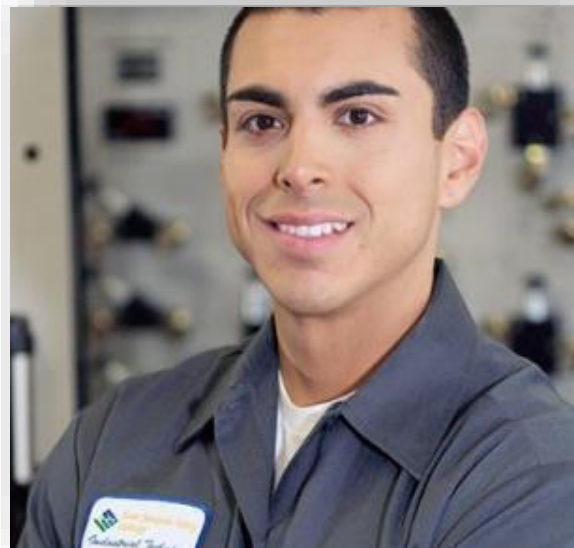




SAN JOAQUIN VALLEY COLLEGE

**SUPPLEMENT TO THE
2024 COLLEGE
CATALOG
(rev. 6.17.24)**



SUPPLEMENT TO THE 2024 COLLEGE CATALOG

This document is a supplement to the 2024 College Catalog and is provided for the purpose of notifying students and other interested parties 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 1: INTRODUCTION TO SAN JOAQUIN VALLEY COLLEGE

STATE DISCLOSURES

REVISION: The **State Disclosure** for Washington has been updated, as set forth below. (Catalog p. 13, rev. 5.29.24)

Washington

For Washington state residents seeking information and resources about student loan repayment or seeking to submit a complaint relating to your student loans or student loan servicer, please visit www.wsac.wa.gov/loan-advocacy or contact the Student Loan Advocate at loanadvocate@wsac.wa.gov.

San Joaquin Valley College is authorized by the Washington Student Achievement Council and meets the requirements and minimum educational standards established for degree-granting institutions under the Degree-Granting Institutions Act. This authorization is subject to periodic review and authorizes San Joaquin Valley College to offer field placement components for specific degree programs. The Council may be contacted for a list of currently authorized programs. Authorization by the Council does not carry with it an endorsement by the Council of the institution or its programs. Any person desiring information about the requirements of the act or the applicability of those requirements to the institution may contact the Council at P.O. Box 43430, Olympia, WA 98504-3430 or by email at degreeauthorization@wsac.wa.gov.

The transferability of credits earned at San Joaquin Valley College is at the discretion of the receiving college, university, or other educational institution. Students considering transferring to any institution should not assume that credits earned in any program of study at San Joaquin Valley College will be accepted by the receiving institution. Similarly, the ability of a degree, certificate, diploma, or other academic credential earned at San Joaquin Valley College to satisfy an admission requirement of another institution is at the discretion of the receiving institution. Accreditation does not guarantee credentials or credits earned at San Joaquin Valley College will be accepted by or transferred to another institution. To minimize the risk of having to repeat coursework, students should contact the receiving institution in advance for evaluation and determination of transferability of credits and/or acceptability of degrees, diplomas, or certificates earned.

Washington Student Complaints

The Washington Student Achievement Council (WSAC) has authority to investigate student complaints against specific schools. WSAC may not be able to investigate every student complaint. Visit <https://www.wsac.wa.gov/student-complaints> for information regarding the WSAC complaint process.

SECTION 2: ADMISSIONS

TRANSFER OF CREDIT

REVISION: Under **Transfer of Credit**, the bullet point regarding course recency requirements has been revised, as set forth below. (Catalog p. 19, rev. 4.30.24)

- Except where mandated by program-specific regulatory agencies, there are no requirements for course recency for consideration of transfer credit. Please see complete program descriptions for information regarding required coursework, including prerequisites.

TUITION

REVISION: Tuition for the Aviation Maintenance Technology Certificate of Completion program at the Fresno Trades Education Center has been revised, as set forth below. (Catalog, p. 26, rev. 6.10.24)

EFFECTIVE DATE	PROGRAM	CREDENTIAL	ACADEMIC YEAR 1	ACADEMIC YEAR 2	ACADEMIC YEAR 3	STRF	TOTAL
FRESNO TRADES EDUCATION CENTER (TEC)							
CERTIFICATE OF COMPLETION PROGRAMS							
04/01/2024	Aviation Maintenance Technology	Certificate	\$19,927	\$19,927	---	\$0	\$39,854

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

AVIATION MAINTENANCE TECHNOLOGY

REVISION: The Aviation Maintenance Technology Certificate of Completion program has been revised, as set forth below. **This revision is in effect with the August 5, 2024 start date.** (Catalog p. 140, rev. 6.10.24)

Aviation Maintenance Technology

This program is offered at the **Fresno Trades Education Center (TEC)**.

Program Description

SJVC's Aviation Maintenance Technology Certificate of Completion program is 60 weeks in length and provides students with the skills and technical knowledge to perform aircraft, airframe, and powerplant maintenance and inspections. Hands-on training in the hangar includes servicing, troubleshooting, and repair of powerplant and airframe systems and components.

The program is approved by the [Federal Aviation Administration](#) and approved by the California State Approving Agency to enroll veterans and other eligible persons.

Graduates of this Certificate program can apply their credits toward earning an Associate of Science Degree in Trades Studies by completing courses online. See the **Trades Studies** program page in this Catalog for information.

Program Student Learning Outcomes

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

1. Apply general aviation concepts in accordance with applicable regulations while following safety procedures.
2. Service, inspect, repair, and troubleshoot airframe structures and related components in accordance with applicable regulations while following safety procedures.
3. Service, inspect, repair, and troubleshoot aircraft engines and related components in accordance with applicable regulations while following safety procedures.
4. Relate and apply concepts of communication, reasoning, critical analysis, ethical behavior, and appropriate interpersonal interaction to situations in his or her career and personal life.
5. Demonstrate the social skills, professional appearance, attitudes and behavior that employers expect of all SJVC graduates.

Admission Requirements

- Valid, unexpired Driver's License issued by a U.S. state or U.S. territory
- No DUI convictions for the past 3 years
- No felony convictions
- Applicants must be at least 18 years of age by the end of their first 16 weeks

Graduation Requirements

- Successful completion of the courses listed below with a grade of C or higher
- Successful completion of the Career Academy requirements (see **Graduation Requirements for the Certificate of Completion**)

Credential and Professional Certifications

Graduates earn a Certificate of Completion in Aviation Maintenance Technology and are eligible to test for an Airframe and Powerplant (A&P) license through the [Federal Aviation Administration](#) (FAA). **SJVC** prepares students to take appropriate certification and licensure exams related to their individual majors. The College does not guarantee students will successfully pass these exams or be certified or licensed as a result of completing the program.

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 Aviation Maintenance Technology program. Detailed information for each Standard Occupational Classification (SOC) can be found at onetonline.org.

- Aircraft Mechanics and Service Technicians (49-3011.00)

Core Course Requirements

Course ID	Course Name	Credit Units	Credit Hours
AMTG 100	Aircraft Basic Mechanics	5.0	120
AMTG 110	Regulations and Inspections	5.0	120
AMTG 120	Aviation Math and Physics	5.0	120
AMTG 130	Fundamentals of Electricity and Ground Operations	5.0	120
AMTA 200	Helicopter and Airframe Essentials	5.0	120
AMTA 210	Metallic Structures	5.0	120
AMTA 220	Aircraft Systems I	5.0	120
AMTA 230	Aircraft Systems II	5.0	120
AMTP 240	Turbine Engines	5.0	120
AMTP 250	Reciprocating Engines	5.0	120
AMTP 260	Aircraft Auxiliary Systems I	5.0	120
AMTP 270	Aircraft Auxiliary Systems II	5.0	120
Total		60.0	1,440

DENTAL HYGIENE

REVISION: Admission Requirements have been updated to remove the requirement for course recency for science courses, as set forth below. (Catalog p. 88, rev. 4.30.24)

Admission Requirements

Completion of the following prerequisite courses at an accredited college or university with a minimum of a C grade and an overall GPA of 2.75 or higher:

- General/Inorganic Chemistry (with lab): 4 units
- General Microbiology (with lab) (BIOL 14): 4 units
- Human Physiology (with lab)*: 4 units
- Speech/Oral Communication: 3 units
- Introduction to Sociology: 3 units
- Organic/Biochemistry (with lab) (CHE 4): 4 units
- Human Anatomy (with lab)*: 4 units
- Writing and Composition: 3 units
- Intermediate Algebra or higher (not included in the minimum GPA requirements for entry into the program): 4-6 units
- General Psychology: 3 units

The BIOL 14 and/or CHE 4 course(s) may be offered to applicants who have successfully completed all other prerequisite courses.

*If Anatomy and Physiology are taken as a combined course (i.e., A&P 1, A&P 2), both courses must be taken at the same institution.

DIAGNOSTIC MEDICAL SONOGRAPHY

REVISION: Admission Requirements have been updated, as set forth below. (Catalog p. 91, rev. 5.28.24).

Admission Requirements:

- Applicant must be age 18 by program start date

Applicants are selected based on points earned in an evaluation process that includes assessment, transcript review, and personal interview.

RESPIRATORY THERAPY

REVISION: Admission Requirements have been updated, as set forth below. **This revision is in effect for the Bakersfield and Visalia campuses effective 4.22.24, the Temecula campus effective 5.28.24, and the Ontario and Rancho Cordova campuses effective 6.10.24.** (Catalog p. 117)

Admission Requirements

- Applicant must be in good health and physically fit
- Applicant must be age 18 by the expected graduation date

Applicants are selected based on points earned in an evaluation process that includes assessment, transcript review, and personal interview.

SURGICAL TECHNOLOGY

REVISION: Admission Requirements have been updated, as set forth below. **This revision is in effect for the Bakersfield and Fresno campuses only.** (Catalog p. 120, rev. 5.20.24).

Admission Requirements

- Applicant must be in good health and physically fit
- Applicant must be age 18 by the expected graduation date

Applicants are selected based on points earned in an evaluation process that includes assessment, transcript review, and personal interview.

VOCATIONAL NURSING

REVISION: Admission Requirements have been updated, as set forth below. **This revision is in effect for the Visalia campus effective 4.9.24, the Bakersfield campus effective 5.6.24, and the Rancho Mirage and Santa Maria campuses effective 6.17.24.** (Catalog p. 130)

Admission Requirements

- Applicant must be in good health and physically fit
- Applicant must be age 18 by the expected start date
- Applicant must provide current CPR certification from the American Heart Association

Applicants are selected based on points earned in an evaluation process that includes assessment, transcript review*, and a personal interview.

**Some courses, including Vocational Nursing courses, require completion within the past 5 years in order to be considered. For re-entry students returning to the program within a one-year period (from the student's drop or termination date to their re-entry date), the College will honor their previously transferred GE courses. Re-entry students who return to the program after a one-year period will have their GE courses subject to the 5-year policy.*

SECTION 8: COURSE DESCRIPTIONS

REVISION: The course description below has been revised. (Catalog p. 170, rev. 5.28.24)

BIOL 10: Human Anatomy **4.0 units – 90 hours**

This course provides the study of human body structure including cellular, tissue, organ, and system levels of organization. Classroom instruction is supported by laboratory activities of models, charts, specimens, and laboratory exercises. **A grade of C or higher is required to pass this course.**

REVISION: The course description below has been revised. (Catalog p. 172, rev. 5.29.24)

COMP 111: Fundamentals of Operating Systems **3.0 units – 45 hours**

This course introduces students to the skills needed to use a variety of operating systems, with an emphasis on Windows. Students will learn to install, deploy, configure, and manage Windows through both graphical user interface (GUI) and command line methods. The course also covers the main features and functionalities of other industry-standard operating systems. Practical skills are developed through hands-on experience using simulation software.

ADDITION: The course descriptions below have been added. (Catalog p. 170, rev. 5.28.24)

AMTG 100: Aircraft Basic Mechanics

5.0 units – 120 hours

This course covers essential aspects of aircraft construction and maintenance, including aircraft drawings, fluid lines and fittings, aircraft materials, hardware and processes, and hand tools and measuring devices. Students will gain hands-on experience interpreting complex drawings essential for part fabrication, recognize and work with diverse fluid lines and fittings vital for hydraulic and fuel systems, and understand varied aircraft materials and hardware selection and processing methods in aviation construction. Emphasis will be placed on best practices utilizing hand tools and measuring devices. **A grade of "C" or higher is required to pass this course.**

AMTG 110: Regulations and Inspections

5.0 Units 120 Hours

Prerequisite(s): None

This course encompasses a study of regulations, maintenance forms, records, and publications, inspection concepts and techniques, human factors, and corrosion control. Students will engage with aviation regulations, exploring the critical documentation and compliance procedures essential for the safe operation and maintenance of aircraft. Through hands-on training, the course will cover various inspection techniques and best practices for cleaning and corrosion control, fostering a detailed understanding of aircraft evaluation for performance and safety. Emphasis will be placed on the impact of human factors on maintenance tasks, errors, and safety culture, providing essential insights into human behavior, performance, and effective communication within the aviation industry. **A grade of "C" or higher is required to pass this course.**

AMTG 120: Aviation Math and Physics

5.0 Units 120 Hours

Prerequisite(s): None

This course offers a targeted exploration of weight and balance, mathematics, and physics for aviation. Students will explore the critical concepts of weight and balance, learning how to calculate and evaluate these factors to ensure aircraft stability and optimal performance. Mathematical principles will be applied to solve real-world aviation problems, strengthening students' analytical skills and understanding of mathematical tools. Physics for aviation will introduce students to the fundamental principles of aerodynamics, motion, and energy as they relate to flight mechanics and aircraft design. Together, these topics provide a robust framework for understanding the complex interactions that govern the safe and efficient operation of aircraft, preparing students for success in the field of aviation. **A grade of "C" or higher is required to pass this course.**

AMTG 130: Fundamentals of Electricity and Ground Operations

5.0 Units 120 Hours

Prerequisite(s): AMTG 120

This course focuses on the fundamentals of electricity along with ground operations and servicing. Students will explore the essential electrical concepts, including circuitry, components, and diagnostics, crucial for aircraft maintenance and repair. Simultaneously, the course provides hands-on experience in ground operations, detailing procedures for aircraft servicing, pre-flight checks, and routine maintenance. Through a blend of theoretical knowledge and practical skills, participants will gain a comprehensive understanding of both the electronic subsystems within aircraft and the standard practices for ground-based care. **A grade of "C" or higher is required to pass this course.**

AMTA 200: Helicopter and Airframe Essentials

5.0 Units 120 Hours

Prerequisite(s): None

In this course, students will delve into the critical elements of non-metallic structures, flight controls, airframe inspection, and rotorcraft fundamentals. Students will investigate the applications and properties of non-metallic materials in aviation structures, examining their unique properties and benefits. Students will explore flight controls, including the systems responsible for guiding aircraft; airframe inspection, focusing on the methodologies for maintaining structural safety; and rotorcraft fundamentals, examining the unique design and operation of rotary-wing aircraft. **A grade of "C" or higher is required to pass this course.**

AMTA 210: Metallic Structures**5.0 Units 120 Hours****Prerequisite(s): None**

This course focuses on the comprehensive study of metallic structures within aircraft systems. Students will learn to explain various metallic structure types, understanding their characteristics and the procedures involved in their formation and maintenance. Emphasis is placed on evaluating the appropriate equipment and safety practices that are essential in handling metallic structures. Practical hands-on training will enable students to perform installation and repairs on these metallic structures, ensuring alignment with industry standards and safety regulations. **A grade of "C" or higher is required to pass this course.**

AMTA 220: Aircraft Systems I**5.0 Units 120 Hours****Prerequisite(s): None**

This course provides a focused exploration of landing gear systems, hydraulic and pneumatic systems, environmental systems, and ice and rain control systems. Students will study landing gear mechanics, understanding of hydraulic and pneumatic components, an examination of environmental systems for air quality control, and practical training in ice and rain control systems. The integration of these topics equips students with a robust understanding of key aviation maintenance areas. **A grade of "C" or higher is required to pass this course.**

AMTA 230: Aircraft Systems II**5.0 Units 120 Hours****Prerequisite(s): None**

This course offers a focused exploration of aircraft instrument systems and communication and navigation systems, providing insights into flight control and communication technology. The study of aircraft fuel systems and aircraft electrical systems equips students with an understanding of energy efficiency and safety in aircraft operation. Additionally, the course delves into airframe fire protection systems, teaching essential safety protocols, and covers water and waste systems, promoting responsible resource management. **A grade of "C" or higher is required to pass this course.**

AMTP 240: Turbine Engines**5.0 Units 120 Hours****Prerequisite(s): None**

This course focuses on turbine engines, emphasizing their design and operational principles. Engine inspection is emphasized, emphasizing the importance of FAA compliance and detailed record-keeping. Students will engage with the components and principles of turbine engine air systems, particularly their cooling and induction mechanisms. Engine exhaust and reverser systems will be covered showing the unique attributes of reverser systems in both reciprocating and turbine engines. **A grade of "C" or higher is required to pass this course.**

AMTP 250: Reciprocating Engines**5.0 Units 120 Hours****Prerequisite(s): None**

This course focuses on core components driving aviation mechanics and performance. Students will learn the intricacies of reciprocating engines, revealing their operating principles and maintenance nuances and engine instrument systems come into focus, highlighting the critical role of real-time data and system monitoring. The dynamics of propellers, exploring their design, functionality, and pivotal role in aircraft propulsion is also covered. **A grade of "C" or higher is required to pass this course.**

AMTP 260: Aircraft Auxiliary Systems I**5.0 Units 120 Hours****Prerequisite(s): None**

This course focuses on the safety and operational mechanics behind aircraft engine systems. This course offers insights into engine fire protection systems, ensuring rapid response during critical situations, and engine lubrication systems, focusing on the optimization of friction reduction and component longevity. Students navigate the intricacies of engine fuel and fuel metering systems, promoting optimal combustion and energy conversion. **A grade of "C" or higher is required to pass this course.**

AMTP 270: Aircraft Auxiliary Systems II

5.0 Units 120 Hours

Prerequisite(s): None

This course focuses on the integral systems that power and regulate aircraft engines. Students will explore engine electrical systems, understanding the components crucial for consistent energy distribution and learn the mechanics behind ignition and starting systems that ensure timely engine activation. This course will also engage students with the vital facets of reciprocating engine induction and cooling systems, focusing on airflow optimization and effective thermal control. **A grade of "C" or higher is required to pass this course.**