



Power Performance and Data Collecting

NAME OF COLLEGE: San Joaquin Delta College

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TrAC: Technical Careers and Trades

PROGRAM NAME: Automotive Technology

REASON FOR APPROVAL REQUEST (Check One):

New Program Proposal

Program Revision Proposal (Substantial or TOP Code Changes)

Locally Approved

TYPE OF DEGREE:

Certificate of Achievement

Associate of Arts

Associate of Science

Associate of Arts for Transfer

Associate of Science for Transfer

Other

TRANSFER APPLICABILITY:

Yes

No



Item 1. Program Goals and Objectives

Identify the goals and objectives of the program. For CTE programs, the statement must include the main competencies students will have achieved that are required for a specific occupation. The statement must, at a minimum, clearly indicate the specific occupations or fields the program will prepare students to enter and the basic occupational competencies students will acquire.

If the program is selective, describe relevant entry criteria and the selection process for admission to the program. Specify all mandatory fees that students will incur for the program aside from the ordinary course enrollment fee.

The programs' goal is to supply certificates to the students that would like to specialize in different areas of the automotive industry. The automotive industry has grown and has expanded their employment opportunities. Some of the automotive specializations that we offer a Delta college is hybrid, smog, electrical, engine rebuilding, transmission rebuilding, alignment, brakes, and diagnostics. The new expansion of the performance of automotive industry has been trending and need technicians. The automotive technology program would like to offer additional certificates so that the students can be more employable in their field of study, which ever that may be. This gives our students more opportunities to get a job in their field of study that they have passion in.

2. Catalog Description

Enter exactly as it will appear in the catalog, including program outcomes. The description must also:

- Convey the certificate's goals(s) and objectives
- Provide an overview of the knowledge and skills that students who complete the requirements must demonstrate (student learning outcomes)
- List all prerequisite skills or enrollment limitations
- Mention any risks, such as occupations that are inherently competitive or low-salaried and/or occupational areas where inexperienced graduates are not generally hired.
- For CTE programs, the description must list the potential careers students may enter upon completion.
- Convey what the student may expect as an outcome

If applicable, reference accrediting and/or licensing standards. If there is a widely recognized certification provided by a professional association, specify whether the program will fully prepare completers for the recognized professional certification.

Upon successful completion of the Automotive Performance and Data Collecting Certificate of Achievement, the student demonstrates knowledge of the skills necessary to diagnose, service, data record, evaluate, and perform repairs on cars, SUVs, and light duty trucks. The student demonstrates competence in the following areas: advanced engine rebuilding, electrical/electronic, data-logging, engine performance, and dynamometer testing. The student can pursue career opportunities in independent and specialization shops. This automotive training program is accredited by the National Automotive Technicians Education Foundation (NATEF) in association with the National Institute for Automotive Service Excellence (ASE).



3. Program Requirements

The program requirements must be consistent with the catalog description. The number of units, specific course requirements and the sequence of the courses must be coherent, complete and appropriate. Display the program requirements in a table format that includes all courses required for completion of the program (core requirements and required or restricted electives), subtotal of core units, and total program units. For each course, indicate the course department number, course title, and unit value.

Display of Program Requirements

Core Courses	Title	Units
Automech 74	Basic Engines	3
Automech 93	Engine Rebuild	6
Automech 99	Advance Performance and Data Collecting	6
	Total Core Courses	15

In addition to the core courses, the student must take at least **3** units from the following courses:

Elective Courses	Title	Units
Automech 72	Basic Brake and Suspension	3
Automech 73	Basic Electrical	3
	Total Elective Courses	3

Total Units Required for Certificate	18
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Display of Proposed Sequence

First Semester	Units
AutoMech 74	3
Automech 72	3
Automech 93	6
Automech 99	6
Total	

Second Semester	Units
Total	

Third Semester	Units
Total	

Fourth Semester	Units
Total	



4. Master Planning (Background and Rationale)

Given the stated goals and objectives, address the role the proposed program will fulfill in the college's mission and curriculum offerings. This discussion may include some history of the program proposal origins, a description of the program purpose, and/or the program's relevancy for the region and college.

The proposal must demonstrate a need for the program that meets the stated goals and objectives in the region the college proposes to serve with the certificate. A proposed new certificate must not cause undue competition with an existing program at another college.

If any expenditures for facilities, equipment or library and learning resources are planned, please explain the specific needs in this section.

If the program is to be offered in close cooperation with one or more specific employers, a discussion of the relationship must be provided.

The purpose of the automotive program is to generate certificates that pertain to the field of automotive technology. Automotive technology is a CTE program that is geared toward certificates to help students get into the automotive industry with technical skills. Having different certificates within the automotive program will allow students to be more employable in specific areas of study.

5. Need for Program

A. Enrollment and Completer Projections

Address and justify the number of projected students or "annual completers" to be awarded the certificate each year after the program is fully established.

Yes, there are a good number of students completing our certificates and degree each year. According to the Labor Market Analysis we have a total of 18 students graduating from individual 18 to 30 units certificates and a total of 65 certificates per year. Having specialized certificates will allow our students to be better prepared and more employable.

B. Labor Market Information (LMI)

Summarize the Labor Market Information (LMI) and employment outlook (including citation for the source of the data) for students exiting the program.

Enter table or chart as a separate attachment.



Nearly 3,480 workers were employed in jobs related to Automotive in 2021 in the North Central Valley/Northern Mother Lode (NCV/NML) subregion. The largest occupation is automotive service technicians and mechanics with 3,413 workers, a projected growth rate of 5% over the next five years, and 376 annual openings.

The NCV/NML subregion employed 3,478 workers in Automotive occupations in 2021 (Exhibit 1). The largest occupation is automotive service technicians and mechanics with 3,413 workers. This occupation is projected to grow by 5% over the next five years and has the greatest number of projected annual openings, 376.

C. Employer Survey (if applicable)

When strong LMI data is not available, an employer survey may be submitted. Provide a copy of the survey, including the number of those surveyed, number of responses, and a summary of the results. The survey must address the extent to which the proposed degree or certificate will be valued by employers.

6. Place of Program in Curriculum/Similar Programs

Review the college’s existing program inventory, then address the following questions:

- Do any active inventory records need to be made inactive or changed in connection with the approval or the proposed program? If yes, please specify.
- Does the program replace any existing program(s) on the college’s inventory? Provide relevant details if this program is related to the termination or scaling down of another program(s).
- What related programs are offered by the college?

N/A



7. Similar Programs at Other Colleges in Service Area

List similar programs offered at other colleges within the Central/Mother Lode Region that may be adversely impacted. Enter 'none' if there are no similar programs.

College	Program
None	



Supporting Documentation

Copy and paste any supporting data. For example, Labor Market Data and Analysis or enrollment data. Please see Narrative Examples for more information.