

Santa Rosa Junior College

Program Resource Planning Process

Diesel Equipment Technology 2024

1.1a Mission

The Diesel Equipment Technology program operates with a mission of serving the future and present workforce of the Sonoma County, North Bay and Redwood Empire areas. By providing education and training to entry-level students seeking a technician career, mid-range employees and journey-level occupied technicians, the program improves and helps maintain the professional level of service that is offered to customers that own and operate any of the following; agricultural machinery, construction equipment, marine or stationary power source engines and/or transportation vehicles.

The Industrial and Trade Technology department consists of the Automotive, Diesel, Machine Tool and Welding programs providing career technological training to students beginning and continuing their coursework within their chosen fields. We work closely with local industry leaders to make sure our programs consistently educate students to meet current industry standards and maintain close ties with local area high schools through the Tech-Prep program. We offer a learning environment that is open and affirming to all students, provide safety and environmental education as it relates to each program. Our instructional programs must be flexible to the needs of all students entering their chosen occupational fields and foster learning environments that allow each student to develop the necessary skills to achieve their educational goals. It is important that faculty provide instruction that reflects the latest industrial advancements, update program curriculum, and provide the latest equipment to maintain our individual laboratories. Our programs must meet the increasing and evolving environmental public requirements.

1.1b Mission Alignment

The Diesel Equipment Technology Program improves student skills with hands on training in diesel equipment repair allowing them to be more competitive in the job market.

1.1c Description

Please Combine into ATL with Auto

1.1d Hours of Office Operation and Service by Location

In order to reach as many students as possible, the Automotive, Machine Tool and Welding programs offer day and evening classes.

DET courses for Fall 2018 are moving to Hybrid night classes to match student enrolment demand.

The service center is located in the Lounibos Center Bldg. the administrative office hours are 9 am to 1 pm Monday through Thursday. The service center serves the Automotive, Diesel, Machine Tool and Welding Programs.

1.2 Program/Unit Context and Environmental Scan

The diesel equipment industry has seen a increase in construction related work due to the economy and local fire damage. Trucking and agricultural job markets remain strong. There is a demand for entry level technicians in both the truck and agricultural markets.

The diesel program has seen a reduction in the support from industry due to the economy. Two large local employers have closed down, Redwood Peterbuilt and Bayshore International. The largest supporter of the diesel program, Peterson tractor has started to see and increase in need for technicians.

Technology in the diesel field continues to become more complex, with increases in fuel management costs and air quality standards. Computer controls have become mandatory on all diesel equipment, both on road and off. Without support from the industry, SRJC needs to invest in late model systems and the technology to diagnose these systems to prepare our students for the job market.

The Diesel program has articulation agreements with four local high schools.

2.1a Budget Needs

The diesel program has looked closely at expenditures in the 4000 and 5000 Categories. There has been a reduction in expenditures by using existing stock and repairing equipment in house. These steps have resulted in a savings in category 5000 expenditures. The diesel program cannot continue to operate at these levels, due to the depletion of stock and deferred maintenance.

This year we have had no equipment budget to pay for the needed equipment (see Instructional Equipment list) and yet we have significant need. Without equipment money we have been unable to continue with the appropriate re-fitting of the program with special tools and modern equipment.

Combined Programs:

Rollover repair budget-combined program - A combined repair budget, that is dedicated to repair only, non-transferable and can rollover. It would be used to repair the equipment used by all Lounibos programs. Some years we go through our entire repair budget plus more, some years we barely tap into this fund. If we could have a rollover budget of \$2,000 a year to start increasing each year, so that any unused funds are moved to the next year, we could do repairs as needed, but also "save up" for major repairs.

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Diesel Equipment Technology - FY 2022-23

2.1 Fiscal Year Expenditures

Santa Rosa Campus

| Expenditure Category | Unrestricted Funds | Change from 2021-22 | Restricted Funds | Change from 2021-22 | Total | Change from 2021-22 |
|--------------------------------------|---------------------|---------------------|------------------|---------------------|---------------------|---------------------|
| Faculty payroll | \$68,761.70 | 13.69% | \$0.00 | 0.00% | \$68,761.70 | 13.69% |
| Adjunct payroll | \$24,491.11 | 4.44% | \$0.00 | 0.00% | \$24,491.11 | 4.44% |
| Classified payroll | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| STNC payroll | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Student payroll | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Management payroll (and Dept Chairs) | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Benefits (3000's) | \$40,653.92 | 19.08% | \$0.00 | 0.00% | \$40,653.92 | 19.08% |
| Supplies (4000's) | \$3,600.79 | 80.73% | \$0.00 | 0.00% | \$3,600.79 | 80.73% |
| Services (5000's) | \$2,937.16 | 28.78% | \$0.00 | 0.00% | \$2,937.16 | 28.78% |
| Equipment (6000's) | \$0.00 | 0.00% | \$0.00 | -100.00% | \$0.00 | -100.00% |
| Total Expenditures | \$140,444.68 | 14.79% | \$0.00 | -100.00% | \$140,444.68 | -35.94% |

Petaluma Campus (Includes Rohnert Park and Sonoma)

| Expenditure Category | Unrestricted Funds | Change from 2021-22 | Restricted Funds | Change from 2021-22 | Total | Change from 2021-22 |
|--------------------------------------|--------------------|---------------------|------------------|---------------------|---------------|---------------------|
| Faculty payroll | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Adjunct payroll | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Classified payroll | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| STNC payroll | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Student payroll | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Management payroll (and Dept Chairs) | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Benefits (3000's) | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Supplies (4000's) | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Services (5000's) | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Equipment (6000's) | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Total Expenditures | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |

Other Locations (Includes the PSTC, Windsor, and other locations)

| Expenditure Category | Unrestricted Funds | Change from 2021-22 | Restricted Funds | Change from 2021-22 | Total | Change from 2021-22 |
|--------------------------------------|--------------------|---------------------|------------------|---------------------|---------------|---------------------|
| Faculty payroll | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Adjunct payroll | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Classified payroll | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| STNC payroll | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Student payroll | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Management payroll (and Dept Chairs) | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Benefits (3000's) | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Supplies (4000's) | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Services (5000's) | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Equipment (6000's) | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |
| Total Expenditures | \$0.00 | 0.00% | \$0.00 | 0.00% | \$0.00 | 0.00% |

Expenditure Totals

| Expenditure Category | Amount | Change from 2021-22 | District Total | % of District Total |
|--------------------------|--------------|---------------------|------------------|---------------------|
| Total Expenditures | \$140,444.68 | -35.94% | \$185,168,453.34 | 0.08% |
| Total Faculty Payroll | \$93,252.81 | 11.11% | \$53,655,688.06 | 0.17% |
| Total Classified Payroll | \$0.00 | 0.00% | \$22,828,190.99 | 0.00% |

| | | | | |
|-----------------------------|--------------|---------|------------------|-------|
| Total Management Payroll | \$0.00 | 0.00% | \$10,715,894.50 | 0.00% |
| Total Salary/Benefits Costs | \$133,906.73 | 13.41% | \$122,097,731.52 | 0.11% |
| Total Non-Personnel Costs | \$6,537.95 | -93.54% | \$21,838,250.05 | 0.03% |

2.1b Budget Requests

| Rank | Location | SP | M | Amount | Brief Rationale |
|------|------------|----|----|------------|--|
| 0001 | Santa Rosa | 08 | 07 | \$5,000.00 | Cost to repair equipment has been rising, and as equipment ages, more repairs are needed |

2.2a Current Classified Positions

| Position | Hr/Wk | Mo/Yr | Job Duties |
|----------|-------|-------|------------|
|----------|-------|-------|------------|

2.2b Current Management/Confidential Positions

| Position | Hr/Wk | Mo/Yr | Job Duties |
|------------------|-------|-------|---|
| Department Chair | 12.00 | 20.00 | Evaluates faculty and staff, coordinates classes, reviews curriculum, on call for any problems. Trains new faculty, reviews and implements purchase orders, budget transfers, scheduling, and curriculum. Serves on department advisory committees (Machine, Automotive, Diesel, and Alternative Fuels) |

2.2c Current STNC/Student Worker Positions

| Position | Hr/Wk | Mo/Yr | Job Duties |
|----------|-------|-------|-----------------------|
| STNC | 5.50 | 8.00 | General shop clean up |

2.2d Adequacy and Effectiveness of Staffing

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Diesel Equipment Technology - FY 2022-23

2.2 Fiscal Year Employee Data and Calculations

Employee Head Counts

| Employee Category | Count | Change from 2021-22 | District Total | % of District Total |
|-----------------------|-------|---------------------|----------------|---------------------|
| Contract Faculty | 1 | 0.00% | 311 | 0.32% |
| Adjunct Faculty | 1 | 0.00% | 1025 | 0.10% |
| Classified Staff | 0 | 0.00% | 432 | 0.00% |
| STNC Workers | 0 | 0.00% | 558 | 0.00% |
| Student Workers | 0 | 0.00% | 251 | 0.00% |
| Mgmt/Admin/Dept Chair | 0 | 0.00% | 158 | 0.00% |

Employee FTE Totals

| FTE Category | FTE | Change from 2021-22 | District Total | % of District Total |
|----------------------------|--------|---------------------|----------------|---------------------|
| FTE-F - Faculty | 1.9298 | -3.51% | 3418.1867 | 0.06% |
| FTE-CF - Contract Faculty | 1.0000 | 0.00% | 3088.8330 | 0.03% |
| FTE-AF - Adjunct Faculty | 0.9298 | -7.02% | 329.3537 | 0.28% |
| FTE-C - Classified | 0.0000 | 0.00% | 381.3904 | 0.00% |
| FTE-ST - STNC | 0.0000 | 0.00% | 83.1336 | 0.00% |
| FTE-SS - Support Staff | 0.0000 | 0.00% | 543.0698 | 0.00% |
| FTE-SW - Student Workers | 0.0000 | 0.00% | 78.5458 | 0.00% |
| FTE-M - Management | 0.0000 | 0.00% | 103.3772 | 0.00% |
| FTE-DC - Department Chairs | 0.0000 | 0.00% | 0.0000 | 0.00% |

Student Data

| Data Element | Value | Change from 2021-22 | District Total | % of District Total |
|--------------------------|---------|---------------------|----------------|---------------------|
| FTES-CR - Credit | 15.3223 | 2.87% | 10435.3874 | 0.15% |
| FTES-NC - Non-Credit | 0.0000 | 0.00% | 2155.0610 | 0.00% |
| FTES - combined | 15.3223 | 2.87% | 12590.4484 | 0.12% |
| Students Enrolled/Served | 165 | 63.37% | 30000 | 0.55% |

Calculations

| Data Element | Value | Change from 2021-22 | District Total | % of District Total |
|---|-------------|---------------------|----------------|---------------------|
| FTE-S : FTE-F | 7.9398 | 6.62% | 3.6834 | 215.56% |
| FTE-AF : FTE-CF | 0.9298 | -7.02% | 0.1066 | 872.01% |
| FTE-F : FTE-SS | 0.0000 | 0.00% | 6.2942 | 0.00% |
| FTE-F : FTE-M | 0.0000 | 0.00% | 33.0652 | 0.00% |
| FTE-SS : FTE-M | 0.0000 | 0.00% | 5.2533 | 0.00% |
| FTE-ST : FTE-C | 0.0000 | 0.00% | 0.2180 | 0.00% |
| Average Faculty Salary per FTE-F | \$48,322.49 | 15.15% | \$15,697.12 | 307.84% |
| Average Classified Salary per FTE-C | \$0.00 | 0.00% | \$59,855.18 | 0.00% |
| Average Management Salary per FTE-M | \$0.00 | 0.00% | \$103,658.20 | 0.00% |
| Salary/Benefit costs as a % of total budget | 95.34% | 77.04% | 65.94% | 144.60% |
| Non-Personnel \$ as a % of total budget | 4.66% | -89.91% | 11.79% | 39.47% |

| | | | | |
|---|-------------|----------|----------------|---------|
| Restricted Funds as a % of total budget | 0.00% | -100.00% | 22.27% | 0.00% |
| Total Unit Cost per FTE-F | \$72,776.75 | -33.61% | \$54,171.54 | 134.35% |
| Total Unit Cost per FTE-C | \$0.00 | 0.00% | \$485,508.95 | 0.00% |
| Total Unit Cost per FTE-M | \$0.00 | 0.00% | \$1,791,192.38 | 0.00% |
| Total Unit Cost per FTE-S | \$9,166.04 | -37.73% | \$14,707.06 | 62.32% |
| Total Unit Cost per student served/enrolled | \$851.18 | -60.79% | \$6,172.28 | 13.79% |

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Diesel Equipment Technology - FY 2022-23

2.2a Classified Positions Employees paid from a Classified OBJECT code

| Name Last | First | Position | Hours | FTE |
|--------------------|-------|----------|-------|-----|
| << No Employees >> | | | | |

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2.2b Management/Confidential Positions Employees paid from a Management/Confidential OBJECT code

| Name Last | First | Position | Hours | FTE |
|--------------------|-------|----------|-------|-----|
| << No Employees >> | | | | |

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2.2c STNC Workers Employees paid from an STNC OBJECT code

| Name Last | First | Position | Hours | FTE |
|--------------------|-------|----------|-------|-----|
| << No Employees >> | | | | |

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2.2d Student Employees Employees paid from a Student Employee OBJECT code

| Name Last | First | Position | Hours | FTE |
|--------------------|-------|----------|-------|-----|
| << No Employees >> | | | | |

2.2e Classified, STNC, Management Staffing Requests

| Rank | Location | SP | M | Current Title | Proposed Title | Type |
|------|------------|----|----|---------------|--------------------------------|------------|
| 0001 | Santa Rosa | 01 | 01 | | DET Lab Assistant 50% Evenings | Classified |

2.3a Current Contract Faculty Positions

| Position | Description |
|--------------|--|
| Jesse Kosten | Diesel Program Coordinator and Diesel Instructor |

2.3b Full-Time and Part-Time Ratios

| Discipline | FTEF Reg | % Reg Load | FTEF Adj | % Adj Load | Description |
|------------|-------------|---------------|-------------|---------------|-------------|
| Diesel | 0.9800 | 0.9800 | 0.0000 | 0.0000 | |

2.3c Faculty Within Retirement Range

2.3d Analysis of Faculty Staffing Needs and Rationale to Support Requests

The Diesel/Equipment Technology program is currently operational with one full-time certificated faculty member. Student enrollments have increased at night over the past several years, and with the class section reductions the class size has grown. This has put an added burden on the full time instructor. Additional funding is needed to hire a support person to help with tool room management and to help watch all the students during lab classes; it is difficult to run a truly safe lab class with just one instructor.

The Diesel Technology Program also needs at least one adjunct faculty. It is important to have an adjunct to back up the full-time instructor in case of illness or disability. Also, with climbing enrollment we will need an additional instructor to allow more sections to be offered.

We have an open adjunct pool, but have had no applicants. It is difficult to draw instructors from industry due to the high incomes that they have from working as technicians, lack of qualified applicants (AA degrees), and the hours that they put in per week. It takes a unique person who really wants to teach, and is willing to give up precious time with their family to train others, to take a job as an adjunct instructor. There have been no adjunct interviews in recent memory for the reasons just noted.

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2.3a Contract Faculty Positions

Employees paid from a Contract Faculty OBJECT code

| Name Last | First | Position | Hours | HR FTE | DM FTE |
|-----------|-------|----------|-------|--------|--------|
| Kosten | Jesse | Faculty | 0.00 | 1.0000 | 0.0000 |
| Totals | | | 0.00 | 1.0000 | 0.0000 |

Santa Rosa Junior College - Program Unit Review

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2.3b Adjunct Faculty Positions

Employees paid from an Adjunct Faculty OBJECT code

| Name Last | First | Position | Hours | FTE |
|-----------|-------|----------|--------|--------|
| Kosten | Jesse | | 193.72 | 0.9298 |
| Totals | | | 193.72 | 0.9298 |

2.3e Faculty Staffing Requests

| Rank | Location | SP | M | Discipline | SLO Assessment Rationale |
|------|----------|----|---|------------|--------------------------|
|------|----------|----|---|------------|--------------------------|

2.4b Rationale for Instructional and Non-Instructional Equipment, Technology, and Software

Computer All-in-One Replacement- end of life

The Diesel Equipment Technology program uses All-in-One computers for service information look-up, service management software and diagnostic programs. The computers are now 7 years old and are past warranty and at the end of useful life span. Pricing not established as that would be for IT to procure district approved equipment.

2.4c Instructional Equipment Requests

| Rank | Location | SP | M | Item Description | Qty | Cost Each | Total Cost | Requestor | Room/Space | Contact |
|------|------------|----|----|---|-----|------------|-------------|--------------|------------------------------|--------------|
| 0001 | Santa Rosa | 01 | 01 | Computer All-in-One Replacement - end of lifecycle? | 30 | \$2,000.00 | \$60,000.00 | Jesse Kosten | Lounibos Diesel Computer Lab | Jesse Kosten |

2.4d Non-Instructional Equipment and Technology Requests

| Rank | Location | SP | M | Item Description | Qty | Cost Each | Total Cost | Requestor | Room/Space | Contact |
|------|----------|----|---|------------------|-----|-----------|------------|-----------|------------|---------|
|------|----------|----|---|------------------|-----|-----------|------------|-----------|------------|---------|

2.4f Instructional/Non-Instructional Software Requests

| Rank | Location | SP | M | Item Description | Qty | Cost Each | Total Cost | Requestor | Room/Space | Contact |
|------|------------|----|----|------------------|-----|------------|------------|--------------|------------|--------------|
| 0050 | Santa Rosa | 04 | 01 | AllData/Mitchell | 1 | \$3,000.00 | \$3,000.00 | Jesse Kosten | 2370 | Jesse Kosten |

2.5a Minor Facilities Requests

| Rank | Location | SP | M | Time Frame | Building | Room Number | Est. Cost | Description |
|------|------------|----|----|------------|----------------------|-------------|-------------|---|
| 0001 | Santa Rosa | 04 | 07 | Urgent | Outside of Lounibos | 2370 | \$10,000.00 | Repair lighting in front and back of Lounibos to make safe for students and staff at night. |
| 0002 | Santa Rosa | 05 | 02 | Urgent | Lounibos | 2370 | \$2,000.00 | Replace water fountian with fountain with water bottle filler station. |
| 0003 | Santa Rosa | 04 | 07 | Urgent | Out side of Lounibos | 2370 | \$75,000.00 | Repair outside covered areas and raise roof structure to accommodate the trucks and equipment. Add solar panels on roof structure for charging? |

2.5b Analysis of Existing Facilities

The current Diesel shop located in the Lounibus building is inadequate. We lack the space to effectively work on large vehicles. We commonly have up to 10 to 15 vehicles being worked on during a normal lab session. Most of these vehicles are outside the shop due to limited shop space.

The current facility needs to have outside storage areas repaired, roofs lifted, and lighting repaired. It is currently dark and wet outside during the school year, and difficult to utilize outdoor areas during night classes.

The Diesel Equipment Technology program should be relocated to the Shone Farm or similar large location. A new shop and classroom would need to be constructed.

Relocating the Diesel program would have many benefits to our students and SRJC:

- With the increase in shop size the impacted conditions would be alleviated. Students would have the shop space to work indoors out of the weather.
- The agricultural equipment at the Shone Farm could be maintained and repaired by the Diesel program students. Approximately two thirds of our diesel students will go to work on agricultural or construction equipment, both types of equipment are located at the Shone Farm.
- There is room to operate and test equipment. We have no area on the SRJC main campus to operate construction and agricultural equipment.

The existing shop, 2370, can be utilized by other programs in the Lounibus building. There is a need for more shop space in Lounibus and moving the Diesel program would free up more space for other programs, like welding.

3.1 Academic Quality

Will be required Spring 2018

3.2 Student Success and Support

We hire through the SRJC Human Resources department using the standard recruitment methods.

We try to recruit both students and instructors from local businesses that service a wide demographic area. Also, the Diesel Department encourages faculty participation in classes and flex sessions (offered on or off campus) that broaden our staff's cultural awareness and sensitivity.

3.3 Responsiveness to Our Community

Allow time during normal work hours to attend training that allows the employees to better do their job, such as PRPP, CIS, forklift and any other training applicable to their jobs.

3.4 Campus Climate and Culture

Jesse Kosten, Dave Yoast and Rick Davis are the current emergency preparedness personel.

3.5 Establish a Culture of Sustainability

The Diesel program recycles all metals from replaced components. All oils/filters are gathered and sent to a recycler. Cardboard and other recyclable items are separated and recycled.

4.1a Course Student Learning Outcomes Assessment

The assessment cycle will be two classes each semester, one half of the offered classes each school year. This will allow each class to be assessed every other academic year.

All DET classes have been assessed over the last two academic years.

1.

| Course | SLO #s | Participating Faculty | Semester Initiated or to Be Initiated | Semester Completed | Comments | Year of Next Assessment |
|--------|--------|-----------------------|---------------------------------------|--------------------|----------|-------------------------|
|--------|--------|-----------------------|---------------------------------------|--------------------|----------|-------------------------|

| | | | | | | |
|----------------|---|---------|------|------|--|------|
| DET 179 (80) | 1 | B Gully | F 13 | F 13 | | F 14 |
| DET 181 (81) | 1 | B Gully | S 12 | S 12 | | S 14 |
| DET 182a (82a) | 1 | B Gully | S 12 | S 12 | | S 14 |
| DET 182b (82b) | 1 | B Gully | S 13 | S 13 | | F 14 |
| DET 184 (84) | 1 | B Gully | F 13 | F 13 | | S 15 |
| DET 185 (85) | 1 | B Gully | F 13 | F 13 | | F 15 |
| DET 188 (88) | 1 | B Gully | S 13 | S 13 | | S 15 |
| DET 189 (89) | 1 | B Gully | S 13 | S 13 | | F 15 |
| | | | | | | |

4.1b Program Student Learning Outcomes Assessment

The DET certificate programs have been assessed this year. Assessment reports are in Sharepoint.

2. .

| Course | SLO #s | Participating Faculty | Semester Initiated or to Be Initiated | Semester Completed | Comments | Year of Next Assessment |
|----------------|--------|-----------------------|---------------------------------------|--------------------|----------|-------------------------|
| DET 179 (80) | 1 | B Gully | F 13 | F 13 | | F 14 |
| DET 181 (81) | 1 | B Gully | S 12 | S 12 | | S 14 |
| DET 182a (82a) | 1 | B Gully | S 12 | S 12 | | S 14 |
| DET 182b (82b) | 1 | B Gully | S 13 | S 13 | | F 14 |

| | | | | | | |
|--------------|---|---------|------|------|--|------|
| DET 184 (84) | 1 | B Gully | F 13 | F 13 | | S 15 |
| DET 185 (85) | 1 | B Gully | F 13 | F 13 | | F 15 |
| DET 188 (88) | 1 | B Gully | S 13 | S 13 | | S 15 |
| DET 189 (89) | 1 | B Gully | S 13 | S 13 | | F 15 |
| | | | | | | |

4.1c Student Learning Outcomes Reporting

| Type | Name | Student Assessment Implemented | Assessment Results Analyzed | Change Implemented |
|--------|--------------------------------|--------------------------------|-----------------------------|--------------------|
| Course | Det 80 - Diesel Shop Practices | Fall 2013 | Fall 2013 | N/A |
| Course | Det 81 - Prevent Maint | Spring 2012 | Spring 2012 | N/A |
| Course | Det 82a-Diesel Engine Overhaul | Spring 2012 | Spring 2012 | N/A |
| Course | Det 82b-Diesel Fuel Systems | Spring 2013 | Spring 2013 | N/A |
| Course | det 84 Hydraulics | Fall 2013 | Fall 2013 | N/A |
| Course | Det 85 - Heavy Duty Chassis | Fall 2013 | Fall 2013 | N/A |
| Course | Det 88 - HD Power Trans | Spring 2013 | Spring 2013 | N/A |
| Course | Det 89 - HD Electrical | Spring 2013 | Spring 2013 | N/A |

4.2a Key Courses or Services that address Institutional Outcomes

| Course/Service | 1a | 1b | 1c | 2a | 2b | 2c | 2d | 3a | 3b | 4a | 4b | 5 | 6a | 6b | 6c | 7 |
|----------------|----|----|----|----|----|----|----|----|----|----|----|---|----|----|----|---|
| det 179 | X | X | X | X | X | X | X | X | X | X | X | X | | | | X |
| det 181 | X | X | X | X | X | | X | X | X | X | X | X | | | | X |
| Det 182a | X | X | X | X | X | | X | X | X | X | X | X | | | | X |
| det 182b | X | X | X | X | X | | X | X | X | X | X | X | | | | X |
| det 184 | X | X | X | X | X | | X | X | X | X | X | X | | | | X |
| det 185 | X | X | X | X | X | X | X | X | X | X | X | X | | | | X |
| det 188 | X | X | X | X | X | | X | X | X | X | X | X | | | | X |
| det 189 | X | X | X | X | X | | X | X | X | X | X | X | | | | X |

4.2b Narrative (Optional)

All of our courses have components of the institutional student learning outcomes. In reviewing the data it appears that we are strong in most of the goals and only failing to meet the institutional student learning outcome regarding personal health. We will see if there are more ways to work this into our program in the future.

5.0 Performance Measures

Not applicable

5.1 Effective Class Schedule: Course Offerings, Times, Locations, and Delivery Modes (annual)

The Industrial and Trade Technology department offers both day and evening courses and has recently started offering weekend classes. We have not expanded to other campuses/sites as there are no shops there.

We do not offer a distance learning component as all the current classes are hands on. We are trying to identify courses that can be modified to be offered online.

The Diesel Technology program offers a balanced approach to training, unique in our experience. The core classes are offered from 12:30 p.m. until 5:00 p.m., and from 6:00 p.m. until 10:30 p.m. every semester. The classes are eight weeks long, and at mid-semester the afternoon and evening classes switch schedules (afternoon becomes evening, and evening becomes afternoon). This has the intended effect of allowing students to get all the core classes during the same timeframe; either afternoon or evening.

Santa Rosa Junior College - Program Unit Review

Diesel Equipment Technology - FY 2022-23 (plus current FY Summer and Fall)

5.1 Student Headcounts The number of students enrolled in each Discipline at first census (duplicated headcount).

Santa Rosa Campus

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0 | 16 | 20 | 0 | 46 | 52 | 0 | 41 | 60 | 0 | 74 | |

Petaluma Campus (Includes Rohnert Park and Sonoma)

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

Other Locations (Includes the PSTC, Windsor, and other locations)

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

ALL Locations (Combined totals from ALL locations in the District)

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0 | 16 | 20 | 0 | 46 | 52 | 0 | 41 | 60 | 0 | 74 | |

5.2a Enrollment Efficiency

Santa Rosa Junior College

Diesel Equipment Technology - FY 2022-23 (plus current FY Summer and Fall)

percentage of seats filled in each Discipline at first census based on class limit (not room size).

5.2a Enrollment Efficiency

Santa Rosa Campus

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.0% | 40.0% | 90.9% | 0.0% | 67.6% | 65.0% | 0.0% | 68.3% | 71.4% | 0.0% | 92.5% | |

Petaluma Campus (Includes Rohnert Park and Sonoma)

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |

Other Locations (Includes the PSTC, Windsor, and other locations)

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |

ALL Locations (Combined totals from ALL locations in the District)

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.0% | 40.0% | 90.9% | 0.0% | 67.6% | 65.0% | 0.0% | 68.3% | 71.4% | 0.0% | 92.5% | |

5.2b Average Class Size

Diesel Equipment Technology - FY 2022-23 (plus current FY Summer and Fall)

5.2b Average Class Size The average class size in each Discipline at first census (excludes cancelled classes).

Santa Rosa Campus

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.0 | 8.0 | 20.0 | 0.0 | 9.2 | 13.0 | 0.0 | 13.7 | 15.0 | 0.0 | 18.5 | |

Petaluma Campus

(Includes
Rohnert Park and Sonoma)

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

Other Locations

(Includes the PSTC, Windsor, and other locations)

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

ALL Locations

(Combined totals from ALL locations in the District)

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.0 | 8.0 | 20.0 | 0.0 | 9.2 | 13.0 | 0.0 | 13.7 | 15.0 | 0.0 | 18.5 | |

Productivity

Santa Rosa Junior College - Program Unit Review

5.3 Instructional Productivity

The ratio of Full-Time Equivalent Students (FTES) to Full-Time Equivalent Faculty (FTEF) in each Discipline at first census.

| Diesel/Equipment Technology | | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|--------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------|
| | FTES | 0.00 | 1.60 | 3.00 | 0.00 | 7.10 | 7.80 | 0.00 | 6.33 | 9.00 | 0.00 | 11.42 | |
| | FTEF | 0.00 | 0.52 | 0.26 | 0.00 | 1.08 | 1.05 | 0.00 | 0.81 | 1.05 | 0.00 | 1.08 | |
| | Ratio | 0.00 | 3.05 | 11.43 | 0.00 | 6.57 | 7.43 | 0.00 | 7.81 | 8.57 | 0.00 | 10.57 | |

[illegible]

| | | | | | | | | | | | | | |
|--|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| | Ratio | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
|--|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|

Other Locations (Includes the PSTC, Windsor, and other locations)

| Diesel/Equipment Technology | | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------|
| | FTES | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | FTEF | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Ratio | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

ALL Locations (Combined totals from ALL locations in the District)

| Diesel/Equipment Technology | | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|--------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------|
| | FTES | 0.00 | 1.60 | 3.00 | 0.00 | 7.10 | 7.80 | 0.00 | 6.33 | 9.00 | 0.00 | 11.42 | |
| | FTEF | 0.00 | 0.52 | 0.26 | 0.00 | 1.08 | 1.05 | 0.00 | 0.81 | 1.05 | 0.00 | 1.08 | |
| | Ratio | 0.00 | 3.05 | 11.43 | 0.00 | 6.57 | 7.43 | 0.00 | 7.81 | 8.57 | 0.00 | 10.57 | |

5.4 Curriculum Currency

The Diesel major certificate have been revised this year. The diesel advisory board has approved these changes.

| DisciplineNbr | VersionNbr | TermCourseLastTaught | DateLastReview | CourseStatus | ApprovalStatus | CreditByExam |
|---------------|------------|----------------------|----------------|----------------|----------------|--------------|
| DET 179 | 6 | Fall 2017 | 1/22/2018 | Changed Course | Approved | Yes |
| DET 181 | 7 | Spring 2017 | 1/22/2018 | Changed Course | Approved | Yes |
| DET 182A | 5 | Spring 2018 | 1/22/2018 | Changed Course | Approved | no |
| DET 182B | 5 | Spring 2018 | 1/22/2018 | Changed Course | Approved | no |
| DET 184 | 7 | Fall 2017 | 1/22/2018 | Changed Course | Approved | no |
| DET 185 | 7 | Fall 2017 | 1/22/2018 | Changed Course | Approved | no |

| | | | | | | | | | | | | | | | |
|------|--------|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|----|
| 5063 | 094700 | Diesel Power Train (T3) | E | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 5 | 7 | 10 |
| 5062 | 094700 | Diesel Preventative Maintenance (T8) | E | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 8 | 5 | 9 |

5.6 Student Success

Santa Rosa Junior College - Program Unit Review

Diesel Equipment Technology - FY 2022-23 (plus current FY Summer and Fall)

5.6a Retention The percentage of students receiving a grade of A,B,C,D,CR, or I in each Discipline (duplicated headcount).

Santa Rosa Campus

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.0% | 68.8% | 76.5% | 0.0% | 46.2% | 78.4% | 0.0% | 79.4% | 80.8% | 0.0% | 81.7% | |

Petaluma Campus (Includes Rohnert Park and Sonoma)

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |

Other Locations (Includes the PSTC, Windsor, and other locations)

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |

ALL Locations (Combined totals from ALL locations in the District)

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.0% | 68.8% | 76.5% | 0.0% | 46.2% | 78.4% | 0.0% | 79.4% | 80.8% | 0.0% | 81.7% | |

Program Unit Review

Diesel Equipment

Technology - FY 2022-23 (plus current FY Summer and Fall)

5.6b Successful Course Completion The percentage of students receiving a grade of A,B,C, or CR in each Discipline (duplicated headcount).

Santa Rosa Campus

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.0% | 68.8% | 76.5% | 0.0% | 46.2% | 76.5% | 0.0% | 73.5% | 75.0% | 0.0% | 74.6% | |

Petaluma Campus (Includes Rohnert Park and Sonoma)

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |

Other Locations (Includes the PSTC, Windsor, and other locations)

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |

ALL Locations (Combined totals from ALL locations in the District)

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.0% | 68.8% | 76.5% | 0.0% | 46.2% | 76.5% | 0.0% | 73.5% | 75.0% | 0.0% | 74.6% | |

Program Unit Review

Diesel Equipment Technology - FY 2022-23 (plus current FY Summer and Fall)

5.6c Grade Point Average The

average GPA in each Discipline (UnitsTotal / GradePoints).

Santa Rosa Campus

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.00 | 2.92 | 3.00 | 0.00 | 1.61 | 2.58 | 0.00 | 2.81 | 2.81 | 0.00 | 2.49 | |

Petaluma Campus (Includes Rohnert Park and Sonoma)

| Discipline | X2020 | F2020 | S2021 | X2021 | F2021 | S2022 | X2022 | F2022 | S2023 | X2023 | F2023 | S2024 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diesel/Equipment Technology | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |

Other Locations (Includes the PSTC, Windsor, and other locations)

5.7 Student Access

Santa Rosa Junior College - Program Unit Review

Diesel Equipment Technology - FY 2022-23 (plus current FY Summer and Fall)

5.7a Students Served - by Ethnicity The number of students in each Discipline at first census broken down by ethnicity (duplicated headcount).

ALL Locations (Combined totals from ALL locations in the District)

| Diesel/Equipment Technology | Ethnicity | 2020-21 | Percent | 2021-22 | Percent | 2022-23 | Percent | 2023-24 | Percent |
|-----------------------------|------------------------|-----------|---------------|-----------|---------------|-----------|---------------|------------|---------------|
| | White | 16 | 55.2% | 23 | 28.4% | 28 | 33.7% | 64 | 40.3% |
| | Asian | 0 | 0.0% | 4 | 4.9% | 8 | 9.6% | 5 | 3.1% |
| | Black | 0 | 0.0% | 0 | 0.0% | 2 | 2.4% | 6 | 3.8% |
| | Hispanic | 9 | 31.0% | 38 | 46.9% | 42 | 50.6% | 81 | 50.9% |
| | Native American | 0 | 0.0% | 4 | 4.9% | 0 | 0.0% | 1 | 0.6% |
| | Pacific Islander | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 0.6% |
| | Filipino | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| | Other Non-White | 1 | 3.4% | 9 | 11.1% | 3 | 3.6% | 1 | 0.6% |
| | Decline to state | 3 | 10.3% | 3 | 3.7% | 0 | 0.0% | 0 | 0.0% |
| | ALL Ethnicities | 29 | 100.0% | 81 | 100.0% | 83 | 100.0% | 159 | 100.0% |

Santa Rosa Junior College - Program Unit Review

Diesel Equipment Technology - FY 2022-23 (plus current FY Summer and Fall)

5.7b Students Served - by Gender The number of students in each Discipline at first census broken down by gender (duplicated headcount).

ALL Locations (Combined totals from ALL locations in the District)

| Diesel/Equipment Technology | Gender | 2020-21 | Percent | 2021-22 | Percent | 2022-23 | Percent | 2023-24 | Percent |
|-----------------------------|--------------------|-----------|---------------|-----------|---------------|-----------|---------------|------------|---------------|
| | Male | 25 | 86.2% | 78 | 96.3% | 71 | 85.5% | 144 | 90.6% |
| | Female | 2 | 6.9% | 0 | 0.0% | 11 | 13.3% | 15 | 9.4% |
| | Unknown | 2 | 6.9% | 3 | 3.7% | 1 | 1.2% | 0 | 0.0% |
| | ALL Genders | 29 | 100.0% | 81 | 100.0% | 83 | 100.0% | 159 | 100.0% |

Santa Rosa Junior College - Program Unit Review

Diesel Equipment Technology - FY 2022-23 (plus current FY Summer and Fall)

5.7c Students Served - by Age The number of students in each Discipline at first census broken down by age (duplicated headcount).

ALL Locations (Combined totals from ALL locations in the District) **Diesel Equipment Technology - FY 2022-23 (plus current FY Summer and Fall)**

5.7a Students Served - by Ethnicity The number of students in each Discipline at first census broken down by ethnicity (duplicated headcount).

ALL Locations (Combined totals from ALL locations in the District)

| Diesel/Equipment Technology | Ethnicity | 2020-21 | Percent | 2021-22 | Percent | 2022-23 | Percent | 2023-24 | Percent |
|-----------------------------|------------------------|-----------|---------------|-----------|---------------|-----------|---------------|------------|---------------|
| | White | 16 | 55.2% | 23 | 28.4% | 28 | 33.7% | 64 | 40.3% |
| | Asian | 0 | 0.0% | 4 | 4.9% | 8 | 9.6% | 5 | 3.1% |
| | Black | 0 | 0.0% | 0 | 0.0% | 2 | 2.4% | 6 | 3.8% |
| | Hispanic | 9 | 31.0% | 38 | 46.9% | 42 | 50.6% | 81 | 50.9% |
| | Native American | 0 | 0.0% | 4 | 4.9% | 0 | 0.0% | 1 | 0.6% |
| | Pacific Islander | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 0.6% |
| | Filipino | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| | Other Non-White | 1 | 3.4% | 9 | 11.1% | 3 | 3.6% | 1 | 0.6% |
| | Decline to state | 3 | 10.3% | 3 | 3.7% | 0 | 0.0% | 0 | 0.0% |
| | ALL Ethnicities | 29 | 100.0% | 81 | 100.0% | 83 | 100.0% | 159 | 100.0% |

Santa Rosa Junior College - Program Unit Review

Diesel Equipment Technology - FY 2022-23 (plus current FY Summer and Fall)

5.7b Students Served - by Gender The number of students in each Discipline at first census broken down by gender (duplicated headcount).

ALL Locations (Combined totals from ALL locations in the District)

| Diesel/Equipment Technology | Gender | 2020-21 | Percent | 2021-22 | Percent | 2022-23 | Percent | 2023-24 | Percent |
|-----------------------------|--------------------|-----------|---------------|-----------|---------------|-----------|---------------|------------|---------------|
| | Male | 25 | 86.2% | 78 | 96.3% | 71 | 85.5% | 144 | 90.6% |
| | Female | 2 | 6.9% | 0 | 0.0% | 11 | 13.3% | 15 | 9.4% |
| | Unknown | 2 | 6.9% | 3 | 3.7% | 1 | 1.2% | 0 | 0.0% |
| | ALL Genders | 29 | 100.0% | 81 | 100.0% | 83 | 100.0% | 159 | 100.0% |

Santa Rosa Junior College - Program Unit Review

Diesel Equipment Technology - FY 2022-23 (plus current FY Summer and Fall)

5.7c Students Served - by Age The number of students in each Discipline at first census broken down by age (duplicated headcount).

ALL Locations (Combined totals from ALL locations in the District)

| Diesel/Equipment Technology | Age Range | 2020-21 | Percent | 2021-22 | Percent | 2022-23 | Percent | 2023-24 |
|-----------------------------|-----------------|-----------|---------------|-----------|---------------|-----------|---------------|----------|
| | 0 thru 18 | 7 | 24.1% | 10 | 12.3% | 12 | 14.5% | 2 |
| | 19 and 20 | 9 | 31.0% | 14 | 17.3% | 15 | 18.1% | 2 |
| | 21 thru 25 | 6 | 20.7% | 27 | 33.3% | 17 | 20.5% | 2 |
| | 26 thru 30 | 3 | 10.3% | 11 | 13.6% | 15 | 18.1% | 2 |
| | 31 thru 35 | 2 | 6.9% | 12 | 14.8% | 8 | 9.6% | 2 |
| | 36 thru 40 | 0 | 0.0% | 5 | 6.2% | 3 | 3.6% | 2 |
| | 41 thru 45 | 0 | 0.0% | 0 | 0.0% | 5 | 6.0% | 2 |
| | 46 thru 50 | 0 | 0.0% | 0 | 0.0% | 6 | 7.2% | 2 |
| | 51 thru 60 | 2 | 6.9% | 0 | 0.0% | 2 | 2.4% | 2 |
| | 61 plus | 0 | 0.0% | 2 | 2.5% | 0 | 0.0% | 2 |
| | ALL Ages | 29 | 100.0% | 81 | 100.0% | 83 | 100.0% | 2 |

| Diesel/Equipment Technology | Age Range | 2020-21 | Percent | 2021-22 | Percent | 2022-23 | Percent | 2023-24 |
|-----------------------------|-----------------|-----------|---------------|-----------|---------------|-----------|---------------|----------|
| | 0 thru 18 | 7 | 24.1% | 10 | 12.3% | 12 | 14.5% | 2 |
| | 19 and 20 | 9 | 31.0% | 14 | 17.3% | 15 | 18.1% | 2 |
| | 21 thru 25 | 6 | 20.7% | 27 | 33.3% | 17 | 20.5% | 2 |
| | 26 thru 30 | 3 | 10.3% | 11 | 13.6% | 15 | 18.1% | 2 |
| | 31 thru 35 | 2 | 6.9% | 12 | 14.8% | 8 | 9.6% | 2 |
| | 36 thru 40 | 0 | 0.0% | 5 | 6.2% | 3 | 3.6% | 2 |
| | 41 thru 45 | 0 | 0.0% | 0 | 0.0% | 5 | 6.0% | 2 |
| | 46 thru 50 | 0 | 0.0% | 0 | 0.0% | 6 | 7.2% | 2 |
| | 51 thru 60 | 2 | 6.9% | 0 | 0.0% | 2 | 2.4% | 2 |
| | 61 plus | 0 | 0.0% | 2 | 2.5% | 0 | 0.0% | 2 |
| | ALL Ages | 29 | 100.0% | 81 | 100.0% | 83 | 100.0% | 2 |

5.8 Curriculum Offered Within Reasonable Time Frame

All diesel core classes are offered in a two semester cycle. A full time student can complete the required diesel certificate classes in the two semesters. Courses have been approved and converted to be offered as Hybrid online courses with the lab sessions offered at night. Due to the current economy daytime enrollment has dropped and nighttime classes have stayed full.

5.9a Curriculum Responsiveness

Students are surveyed each year for instructors performance. Advisory board reviews program changes and makes recommendations.

There are no general ed courses in diesel.

Many diesel classes are electives for the automotive and agriculture programs at the SRJC.

5.9b Alignment with High Schools (Tech-Prep ONLY)

Yes, we are deeply involved with local high schools and work extensively with the "Manager of School Initiatives and Career Pathway Development" and her department. We have been involved with 2+2 in past years, and now have developed a process that allows local high school auto instructors to administer the SRJC credit by exams for our Det 179/181 classes. This allows high school students to enter our SRJC diesel program with advanced standing.

5.10 Alignment with Transfer Institutions (Transfer Majors ONLY)

Not applicable

5.11a Labor Market Demand (Occupational Programs ONLY)

| Sonoma county growth is a follows: | percentage of growth | Job Openings |
|---|----------------------|--------------|
| Vehicle and mobile equipment mechanics | 12.6% | 73 |
| Bus and truck mechanics and engine specialists | 16.7% | 9 |
| farm mechanics | 12.5% | 3 |
| Mobile heavy equipment mechanics | 35.3% | 9 |
| Average overall growth for Diesel related occupations: | 19.2% | |
| total number of ob openings: | | 94 |
| Nearby counties with no Diesel equipment programs: (Totals for above jobs) | | |
| Napa county | 15.4% | 27 |
| Solano county | 15.6% | 53 |
| State wide | | |
| growth in the repair and mainteance field: | 14.6 | 2,800 |

5.11b Academic Standards

The Diesel program discusses academic standards at our department meetings. We have recently been dealing with content standards while reviewing course outlines to establish SLOs. Employers expect that our students meet some type of industry performance standard, and we discuss these standards with our advisory committee. Often we use the ability to pass national, independent, industry accepted skill level tests as a standard. We also use acceptable work skill demonstrations as a standard.

We are currently working on becoming NATEF (National Automotive Training Education Foundation) certified and are working with NC3 (National Coalition of Certification Centers) for diagnostic training certifications.

6.1 Progress and Accomplishments Since Last Program/Unit Review

| Rank | Location | SP | M | Goal | Objective | Time Frame | Progress to Date |
|------|----------|----|---|------|-----------|------------|------------------|
|------|----------|----|---|------|-----------|------------|------------------|

6.2b PRPP Editor Feedback - Optional

Please combine into the ATL Program, using Auto planing codes / PRPP

6.3a Annual Unit Plan

| Rank | Location | SP | M | Goal | Objective | Time Frame | Resources Required |
|------|----------|----|---|------|-----------|------------|--------------------|
|------|----------|----|---|------|-----------|------------|--------------------|