2019 INSTRUCTIONAL ANNUAL PROGRAM PLANNING WORKSHEET

CURRENT YEAR: 2018 - 2019　　　　　　　　**PROGRAM: AUTOMOTIVE TECHNOLOGY**
CLUSTER: WORKFORCE & ECONOMIC DEVELOPMENT　　**LAST YEAR CPPR COMPLETED: 2018**
NEXT SCHEDULED CPPR: 2022　　　　　　　　**CURRENT DATE: 2/25/2019**

The Annual Program Planning Worksheet (APPW) is the process for:
- reviewing, analyzing and assessing programs on an annual basis
- documenting relevant program changes, trends, and plans for the upcoming year
- identifying program needs, if any, that will become part of the program's resource plan
- highlighting specific program accomplishments and updates since last year's APPW
- tracking progress on a Program Sustainability Plan if established previously.

Note: Degrees and/or certificates for the <u>same</u> program <u>may be consolidated</u> into one APPW.

This APPW encompasses the following degrees and/or certificates:
A.S. Automotive Technician, A.S. Automotive Engine Performance Technician, C.A. Advanced Engine Performance Technician, C.A. Automotive Technician, C.A. Maintenance and Light Repair

GENERAL PROGRAM UPDATE

Describe significant changes, if any, to program mission, purpose or direction. *If there are not any, indicate: NONE.*
ATECH has partnered with Agriculture to create a Field Service Technician Certificate and is working toward adding Diesel Training. This is evidenced by the new course, ATCH 255 Light Diesel.

PROGRAM SUSTAINABILITY PLAN UPDATE

Was a Program Sustainability Plan established in your program's most recent Comprehensive Program Plan and Review?

　　　Yes ☐ If yes, please complete the Program Sustainability Plan Progress Report below.
　　　No ☒ If no, you do not need to complete a Progress Report.

If you selected yes, please complete the Program Sustainability Plan Progress Report below after you complete the Data Analysis section. That data collection and analysis will help you to update, if necessary, your Program Sustainability Plan.

DATA ANALYSIS AND PROGRAM-SPECIFIC MEASUREMENTS

Your responses to the prompts for the data elements below should be for the entire program. If this APPW is for multiple degrees and/or certificates then you MAY want to comment on each degree and/or certificate, or discuss them holistically for the entire program being sure to highlight relevant trends for particular degrees and/or certificates, if necessary. Responses in this document need only reference the most recent year's available data.

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General Enrollment (Insert Aggregated Data Chart)

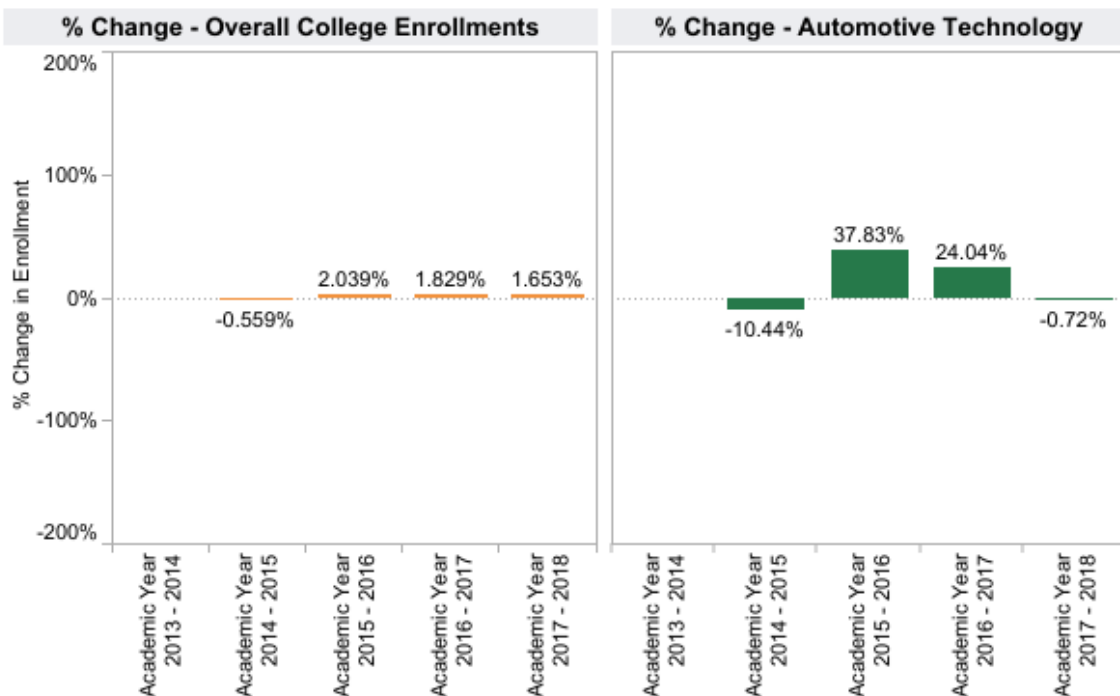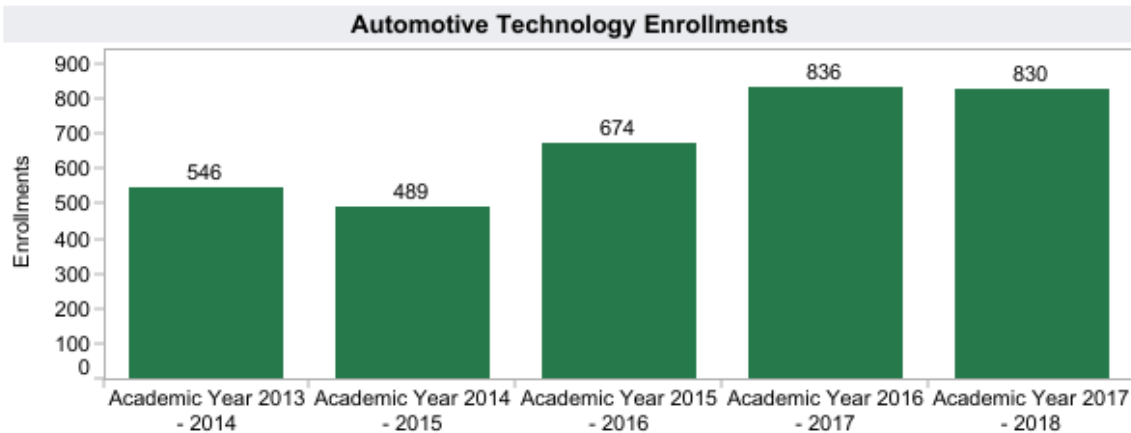Insert the data chart and explain observed differences between the program and the college.

SLOCCCD Program Review Data - Enrollment

Department:	Course:	Dual Enrollment:	Prison:
Automotive Technology	All	All	All

Automotive Technology Enrollments

Academic Year 2013 - 2014	Academic Year 2014 - 2015	Academic Year 2015 - 2016	Academic Year 2016 - 2017	Academic Year 2017 - 2018
546	489	674	836	830

% Change - Overall College Enrollments

Academic Year 2013 - 2014	Academic Year 2014 - 2015	Academic Year 2015 - 2016	Academic Year 2016 - 2017	Academic Year 2017 - 2018
-0.559%	2.039%	1.829%	1.653%	

% Change - Automotive Technology

Academic Year 2013 - 2014	Academic Year 2014 - 2015	Academic Year 2015 - 2016	Academic Year 2016 - 2017	Academic Year 2017 - 2018
	-10.44%	37.83%	24.04%	-0.72%

Enrollment: Duplicated count of students who completed greater than 0 units in positive attendance courses or were present on census for all other accounting methods.

The Automotive program has seen a dramatic increase in enrollment since the initiation of Dual Enrollment and remains steady and above the overall college enrollment percentage drop.

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General Student Demand (Fill Rate) (Insert Aggregated Data Chart)
Insert the data chart and explain observed differences between the program and the college.
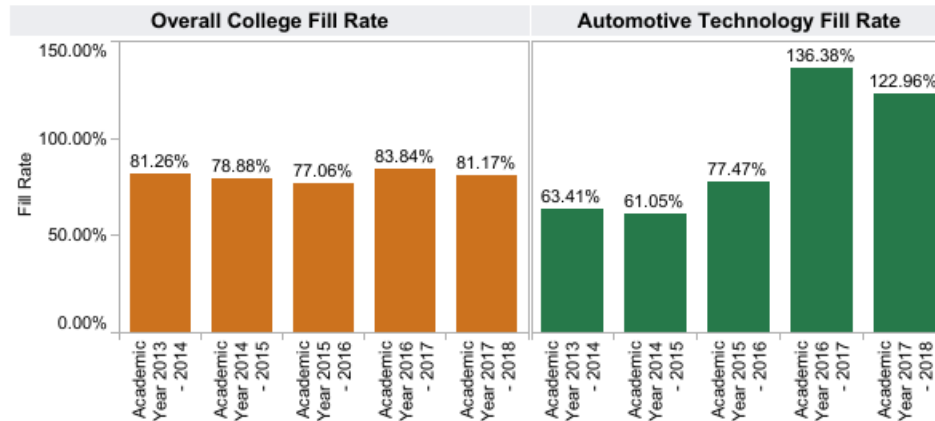
SLOCCCD Program Review Data - Student Demand (Fill Rate)

Department: Automotive Technology   **Course:** All   **Dual Enrollment:** All   **Prison:** All

Overall College Fill Rate

Academic Year	Fill Rate
2013 - 2014	81.26%
2014 - 2015	78.88%
2015 - 2016	77.06%
2016 - 2017	83.84%
2017 - 2018	81.17%

Automotive Technology Fill Rate

Academic Year	Fill Rate
2013 - 2014	63.41%
2014 - 2015	61.05%
2015 - 2016	77.47%
2016 - 2017	136.38%
2017 - 2018	122.96%

Fill Rate: The ratio of enrollments to class limits. Cross listed class limits are adjusted appropriately. Also, courses with zero class limits are excluded from this measure.

Automotive Technology Fill Rate far exceeds the overall college fill rate.

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General Efficiency (FTES/FTEF) (Insert Aggregated Data Chart)

Insert the data chart and explain observed differences between the program and the college.
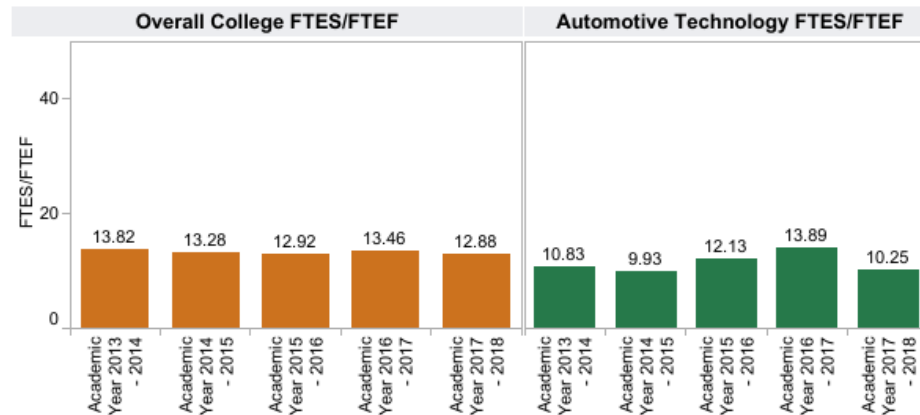
SLOCCCD Program Review Data - Efficiency (FTES/FTEF)

Department:	Course:	Dual Enrollment:	Prison:
Automotive Technology	All	All	All

Overall College FTES/FTEF

- Academic Year 2013 - 2014: 13.82
- Academic Year 2014 - 2015: 13.28
- Academic Year 2015 - 2016: 12.92
- Academic Year 2016 - 2017: 13.46
- Academic Year 2017 - 2018: 12.88

Automotive Technology FTES/FTEF

- Academic Year 2013 - 2014: 10.83
- Academic Year 2014 - 2015: 9.93
- Academic Year 2015 - 2016: 12.13
- Academic Year 2016 - 2017: 13.89
- Academic Year 2017 - 2018: 10.25

FTES/FTEF: The ratio of total FTES to Full-Time Equivalent Faculty
(SXD4 Total-Hours/17.5)/XE03 FACULTY-ASSIGNMENT-FTE)

Automotive Technology has seen a decrease in Efficiency due to hiring part time instructors to fill classes once taught by two full time instructors. One who has since retired and come back part time and one who is filled with 60% other duties. Automotive needs a new full time instructor to improve efficiency.

As of February 25, 2019, the Efficiency of the Automotive program is shown on the next page. This does NOT count dual enrollment.

It is also of note that most of the classes are at, or over, 100% fill rate.

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Automotive (ATCH)

CRN	Prefix	Description	# Lecture Hours/wk	# Lab Hours/wk	# Student/Class	x17.5 weeks/Sem	Tot Stud Cont Hrs per cla	Total FTES/Class	Faculty Load/class	Class Efficency @ 100%	W/Estimated Fill Rate	Actual Fill Rate Spr 2019	Actual FTES/departmen	Efficiency/Class
	109	Intro to Auto Computer	2	2	21					#DIV/0!	#DIV/0!			
	120	Auto Ignition Systems	1	3	21					#DIV/0!	#DIV/0!		0.0	#DIV/0!
	125	Engine Performance	3	3	21					#DIV/0!	#DIV/0!		0.0	#DIV/0!
32125	152	InternalCombustion Eng	3	0	21	52.5	1102.5	2.1	0.20	10.51	9.98	23	2.3	11.51
31128	153	Engine Repair Proc	2	4	21	105	2205	4.2	0.33	12.61	11.97	23	4.6	13.81
	154	Engine Overhaul	2	4	21					#DIV/0!	#DIV/0!		0.0	#DIV/0!
	158	Auto Elect & Electronics	3	3	21					#DIV/0!	#DIV/0!		0.0	#DIV/0!
31129	160	Auto Elect Accessories	3	3	21	105	2205	4.2	0.35	12.01	11.41	19	3.8	10.86
31130	164	Clean Air Car	3	0	21	52.5	1102.5	2.1	0.20	10.51	9.98	15	1.5	7.51
31131	166	Auto Maint & Light Rep	1	2	21	52.5	1102.5	2.1	0.17	12.61	11.97	22	2.2	13.21
31132	168	Auto Repair Business	3	0	21	52.5	1102.5	2.1	0.20	10.51	9.98	26	2.6	13.01
31145	182	Automatic Transmissions	2	4	21	105	2205	4.2	0.33	12.61	11.97	14	2.8	8.40
	186	Chassis & Suspension	3	3	21					#DIV/0!	#DIV/0!		0.0	#DIV/0!
31147	187	Fuel Inject & Turbos	3	3	21	105	2205	4.2	0.35	12.01	11.41	18	3.6	10.29
31149	188	Heating & Air Cond	3	3	21	105	2205	4.2	0.35	12.01	11.41	21	4.2	12.01
	264	Clean Air Car	3	0	21					#DIV/0!	#DIV/0!		0.0	#DIV/0!
31141	280	Manual Drivetrain	2	4	21	105	2205	4.2	0.33	12.61	11.97	20	4.0	12.00
	281	Manual Transmission	2	4	21					#DIV/0!	#DIV/0!		0.0	#DIV/0!
	284	Braking Systems	3	3	21					#DIV/0!	#DIV/0!		0.0	#DIV/0!
						0	0	0	0.00	#DIV/0!	#DIV/0!		0.0	#DIV/0!
		Total	47	48	399	1663	17640	33.6	2.82	11.94	11.34	201	31.6	11.23

[Student Success—Course Modality (Insert Data Chart)](#)
Insert the data chart and explain observed differences between the program and the college.

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SLOCCCD Program Review Data: Successful Course Completion

Select Department:
Automotive Technology

Course:
All

Legend:
■ Face to Face Modality

Successful Course Competion by Modality -Automotive Technology

Face to Face Modality
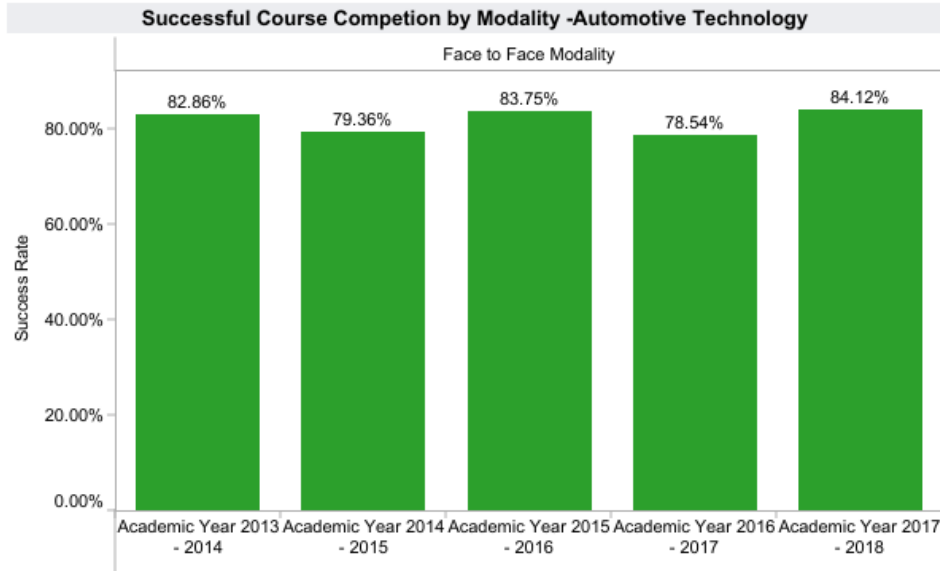
Successful Course Competion by Modality Table - Automotive Technology

		Academic Year 2013 - 2014	Academic Year 2014 - 2015	Academic Year 2015 - 2016	Academic Year 2016 - 2017	Academic Year 2017 - 2018
Face to Face Modality	Department Success Rate	82.86%	79.36%	83.75%	78.54%	84.12%
	Total Department Enrollments	601.0	528.0	646.0	834.0	830.0

SLOCCCD Program Review Data: Successful Course Completion

Select Department:
All

Course:
All

Legend:
- Face to Face Modality
- Online Modality
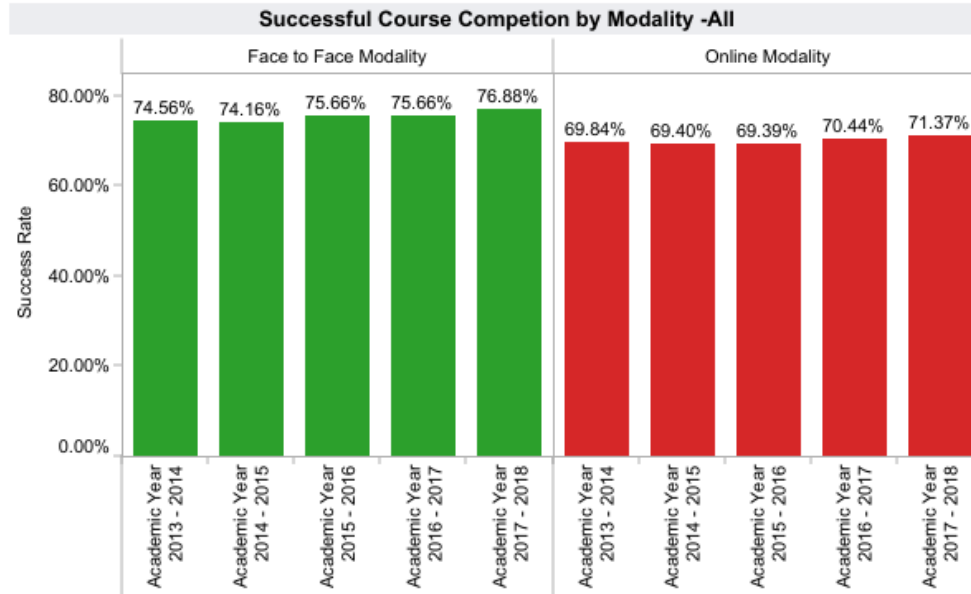
Successful Course Competion by Modality Table - All

		Academic Year 2013 - 2014	Academic Year 2014 - 2015	Academic Year 2015 - 2016	Academic Year 2016 - 2017	Academic Year 2017 - 2018
Face to Face Modality	Department Success Rate	74.56%	74.16%	75.66%	75.66%	76.88%
	Total Department Enrollments	51,005	48,714	48,233	47,128	44,806
Online Modality	Department Success Rate	69.84%	69.40%	69.39%	70.44%	71.37%
	Total Department Enrollments	7,101	8,112	9,950	10,442	12,312

Automotive Technology has a 7.24% better Course completion than overall.

Degrees and Certificates Awarded (Insert Data Chart)
Insert the data chart and explain observed differences between the program and the college.

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SLOCCCD Program Review Data: Degrees and Certificates Awarded

Program:
Automotive Technology

Award Type:
All

Program Awards
Top Code Description(s): Automotive Technology
Award(s): All
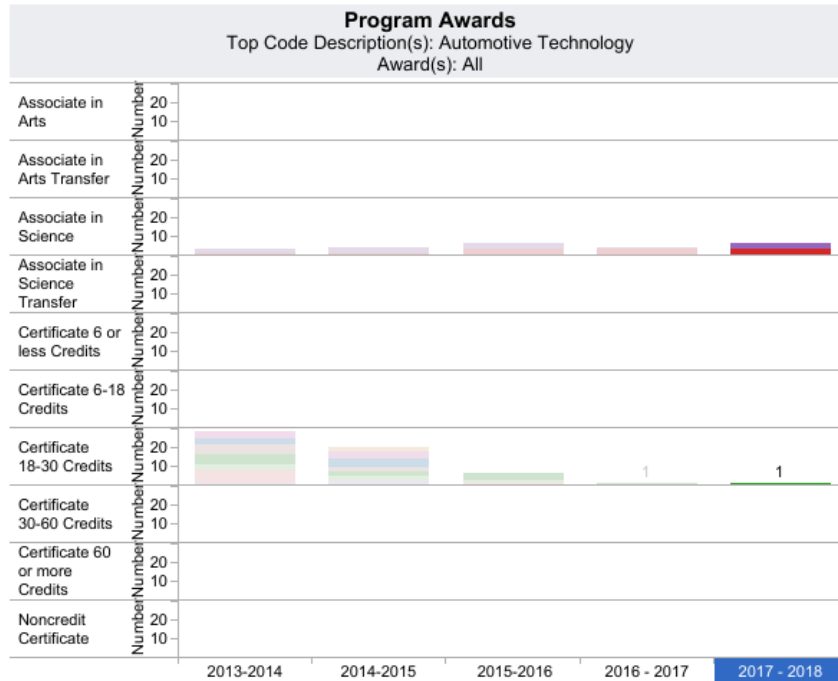
Program Awards Table

Award T..	Award	2013-2014	2014-2015	2015-2016	2016 - 2017	2017 - 2018
Associate in Science	Adv Engine Perform Tech (AS)	2	3	3	1	3
	Automotive Technician (AS)	1	1	3	3	3
	Total	3	4	6	4	6
Certificate 18-30 Credits	Auto Trans/Transaxle Spec (C..		2			
	Brakes Specialist (CA)	4	4			

Program Awards: The number of degress and certificates awarded by program type

Automotive Technology has seen an increase in Associate Degrees and will continue to see success with the implementation of CTE Counselor Susan Gossard's participation in class and office hours located in the Engineering and Technology building.

General Student Success – Course Completion (Insert Aggregated Data Chart)

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Review the Disaggregated Student Success charts; include any charts that you will reference. Describe any departmental or pedagogical outcomes that have occurred as a result of programmatic discussion regarding the data presented.

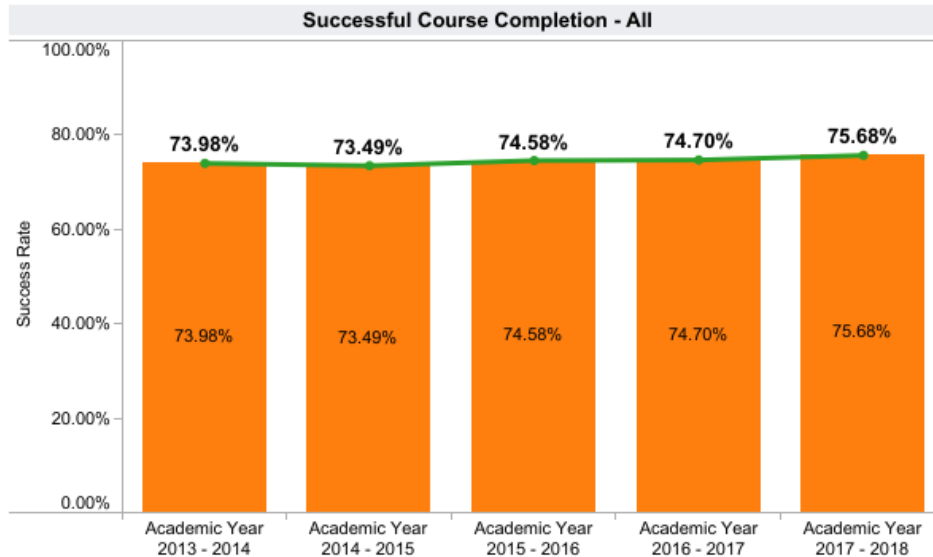## SLOCCCD Program Review Data: Successful Course Completion

Select Department:
All

COURSE
All

Measure Names
■ Department Success Rate
■ Overall College Success Rate

Successful Course Completion - All

All Success Rate Table

	Academic Year 2013 - 2014	Academic Year 2014 - 2015	Academic Year 2015 - 2016	Academic Year 2016 - 2017	Academic Year 2017 - 2018
Department Success..	73.98%	73.49%	74.58%	74.70%	75.68%
Total Enrollments	58,106	56,826	58,183	57,570	57,118

Success: The Percentage of student enrollments resulting in a final grade of "C" or better

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SLOCCCD Program Review Data: Successful Course Completion

Select Department:
Automotive Technology

COURSE
All

Measure Names
- Department Success Rate
- Overall College Success Rate

Successful Course Completion - Automotive Technology
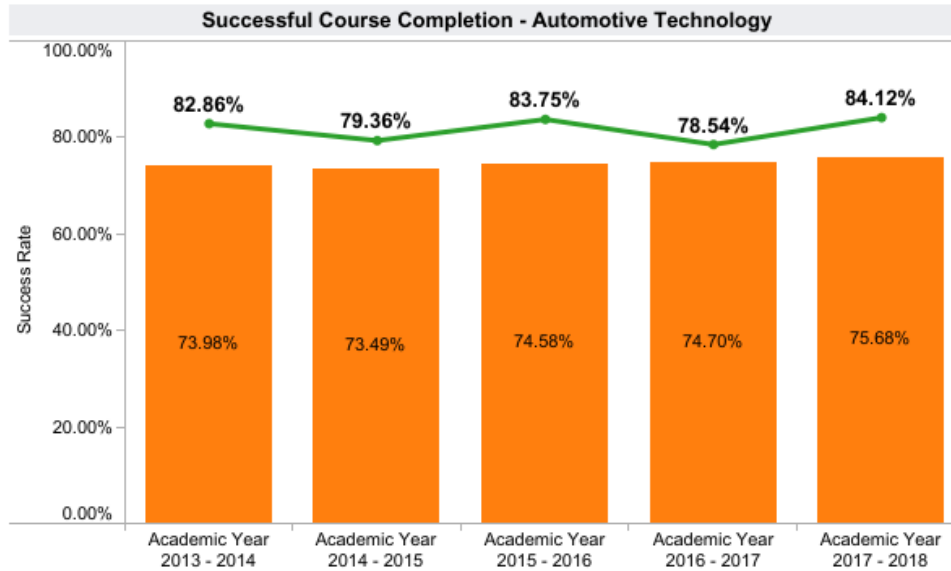
Automotive Technology Success Rate Table

	Academic Year 2013 - 2014	Academic Year 2014 - 2015	Academic Year 2015 - 2016	Academic Year 2016 - 2017	Academic Year 2017 - 2018
Department Success..	82.86%	79.36%	83.75%	78.54%	84.12%
Total Enrollments	601	528	646	834	830

Success: The Percentage of student enrollments resulting in a final grade of "C" or better

Automotive has seen an increase in student course completion and is 8.44% better than the college overall.

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OTHER RELEVANT PROGRAM DATA (OPTIONAL)

Provide and comment on any other data that is relevant to your program such as state or national certification/licensure exam results, employment data, etc. If necessary, describe origin and/or data collection methods used.

The Automotive Technology Program continues to be ASEEF (Automotive Service Excellence Education Foundation (formerly NATEF)) Certified and completed its mid-cycle review in March 2017. The Five year review will be completed again in October of 2019.

The process is to evaluate each program's structure, resources and quality of automotive service training. This is reviewed against standards established by industry experts and offer ASEEF accreditation to programs that meet these high quality requirements.

Most Student Learning Outcomes for the Department come directly from the NATEF Standards for compliance.

https://www.asealliance.org/natef-accreditation/program-standards

PROGRAM OUTCOMES ASSESSMENT CHECKLIST AND NARRATIVE

CHECKLIST:

☒ SLO assessment cycle calendar is up to date.
☐ All courses scheduled for assessment have been assessed in eLumen.
☐ Program Sustainability Plan progress report completed (if applicable).

NARRATIVE:

Briefly describe program changes, if any, which have been implemented in the previous year as a direct result of the Program or Student Services Learning Outcomes Assessment. *If no program changes have been made as results of Program or Student Services Learning Outcomes Assessment, indicate: NONE.*

Schedule changes have been made to reduce overlap with Autobody in a effort to increase enrollment and completion. In addition, Automotive Electronical courses are now offered at night to increase availability to Automotive Technicians currently working in the field. This change is a direct result of input from the Automotive Advisory Committee. The program is also officially separating from Auto Body. This will have a positive affect on the pursuit of another Full-time instructor.

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PROGRAM PLANNING / FORECASTING FOR THE NEXT ACADEMIC YEAR

Briefly describe any program plans for the upcoming academic year. These may include, but are not limited to the following: *(Note: you do not need to respond to each of the items below)*. *If there are no forecasted plans for the program, for the upcoming year, indicate: NONE.*

A. New or modified plans for achieving program-learning outcomes. (none)

B. Anticipated changes in curriculum, scheduling or delivery modality:
Automotive Technology has added a new C.A. Maintenance and Light Repair. A new Course ATCH255 Modern Diesel Technology is in the curriculum approval process.

C. Levels, delivery or types of services (none)

D. Facilities changes
A modernization project has been recommended by the President, and approved by the Dean to update the current Facilities.

E. Staffing projections
A ¾ time Lab Tech position has been created and will be filled by Fall 2019.

F. Other

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PROGRAM SUSTAINABILITY PLAN PROGRESS REPORT

This section only needs to be completed if a program has an existing Program Sustainability Plan. Indicate whether objectives established in your Program Sustainability Plan have been addressed or not, and if improvement targets have been met.

Area of Decline or Challenge	Identified Objective (Paste from PSP)	Planning Steps (Check all that apply)	Has the Improvement Target Been Met?
Enrollment		☐ Identified ☐ Resources Allocated ☐ Implemented	Select one
Student Demand (Fill Rate)		☐ Identified ☐ Resources Allocated ☐ Implemented	Select one
Efficiency (FTES/FTEF)		☐ Identified ☐ Resources Allocated ☐ Implemented	Select one
Student Success – Course Completion		☐ Identified ☐ Resources Allocated ☐ Implemented	Select one
Student Success— Course Modality		☐ Identified ☐ Resources Allocated ☐ Implemented	Select one
Degrees and Certificates Awarded		☐ Identified ☐ Resources Allocated ☐ Implemented	Select one

If Program Sustainability Plan is still necessary, provide a brief description of how you plan to continue your PSP and update your PSP to remove any objectives that have been addressed and include any new objectives that are needed.

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