

Assessment: Program Review Update



Program (DIES) - Diesel Technology Cert CT.3134

Program Catalog Summary:

Certificate:

SC Program: CT.3134

PROGRAM DESCRIPTION: This curriculum prepares the student for entry into the mechanic trade related to heavy equipment and diesel engines. Award of apprenticeship credit for completion of the program will depend on the employer, local union regulations, aptitude of student, as well as the curriculum completed.

This certificate is approved through the California Community College Chancellor's Office. Upon satisfactory completion of the listed requirements and filing an application for graduation with Admissions and Records, the student's transcript will reflect completion of this certificate.

PROGRAM LEARNING OUTCOMES:

Upon successful completion of this certificate, the student should be able to:

1. Explain the basic theory of the subject matter or system for the course of instruction based on industry standards.
2. Analyze a scenario based upon an equipment system failure/problem/ complaint.
3. Employ a systematic approach to troubleshooting a system malfunction and prepare a solution.
4. Demonstrate the correct tools/supplies required to diagnose/repair a malfunction.
5. Verify if the path of repair was correct by testing and/or completing a work order/report.

GAINFUL EMPLOYMENT INFORMATION: For information about our graduation rates, the median debt of students who completed this certificate, and other important information, please visit our website at http://www.shastacollege.edu/bait_dies_gainful_employment/.

CERTIFICATE REQUIREMENTS:

DIES 48 Hydraulics 3.5
DIES 49 Advanced Hydraulics 3
DIES 94 Worksite Learning For Diesel Technology 1-4
DIES 160 Diesel Engine Electronic Control 4
DIES 161* Diesel Technology Field Training 2
DIES 162 Heavy Duty Power Train 4
DIES 164 Diesel Performance Analysis 4
DIES 166* Diesel Engines 6
DIES 170 Heavy Duty Braking Systems 4
ENGL 190 Reading & Writing II 4
INDE 1 Career Planning for Industrial Tech. 1
MATH 100 Technical Applications of Mathematics 3
WELD 70 Beginning Welding 3
WELD 73, 170, 171, 174, 175 or 178 3
TOTAL UNITS FOR CERTIFICATE 45.5 – 48.5

Fall 2018

PRIOR PROGRAM REVIEW REFLECTION (If applicable)

Term and Year of Previous Review: Fall 2016

Discuss any changes to the program as a result of the previous program review: The program currently has an additional

faculty member funded through strong workforce and is in the process of adding the additional space needed with the bond funded building in the industrial yard.

Resources Received or Requested: We have Received the following resources:

New Hydraulic Training Boards

Current diesel engines for advanced electronics and emissions classes

Computer scan tools for advanced diesel classes

Hydrostatic training unit (in process)

CURRENT PROGRAM REVIEW

Who completed this form?: Ishmael Rivas

Participation in completing this report: Area Faculty (list in the next box)

Summarize participation comments: Ishmael Rivas and Raymond Nicholas

Alignment with Mission: Describe how the program contributes to the Shasta College Mission:

Discuss some of the program successes and benefits to the students and/or community.: The program continues to serve vital training for our local community equipping students with skill sets that will lead to full time employment with a living wage.

Students can leave the program with a certificate or degree and expect to make on average throughout California around \$47,000 a year.

List each PLO and write a brief narrative summary analysis discussing outcomes for each of them.: Upon successful completion of this degree, with an emphasis on general education, explain the basic theory of the subject matter or system for the course of instruction based on industry standards.

The students have been able to accomplish this PLO but it has not been accurately documented in a way that can be useful for ongoing program review. We are currently rewriting Our PLO,s in a manner that can be accurately tracked allowing us to do more meaningful data analysis.

System Failures

Upon successful completion of this degree, with an emphasis on general education, analyze a scenario based upon an equipment system failure/problem/complaint.

The students have been able to accomplish this PLO but it has not been accurately documented in a way that can be useful for ongoing program review. We are currently rewriting Our PLO,s in a manner that can be accurately tracked allowing us to do more meaningful data analysis.

System Malfunction

Upon successful completion of this degree, with an emphasis on general education, employ a systematic approach to troubleshooting a system malfunction and prepare a solution.

The students have been able to accomplish this PLO but it has not been accurately documented in a way that can be useful for ongoing program review. We are currently rewriting Our PLO,s in a manner that can be accurately tracked allowing us to do more meaningful data analysis.

Tools and supplies

Upon successful completion of this degree, with an emphasis on general education, demonstrate the correct tools/supplies required to diagnose/repair a malfunction. (Active)

The students have been able to accomplish this PLO but it has not been accurately documented in a way that can be useful for ongoing program review. We are currently rewriting Our PLO,s in a manner that can be accurately tracked allowing us to do more meaningful data analysis.

Testing

Upon successful completion of this degree, the student should be able to with an emphasis on general education, verify if the path of repair was correct by testing and/or completing a work order/report.

The students have been able to accomplish this PLO but it has not been accurately documented in a way that can be useful for ongoing program review. We are currently rewriting Our PLO,s in a manner that can be accurately tracked allowing us to do more meaningful data analysis

Describe how this program supports a transfer pathway to CSU or UC.: NA

Specify Labor Market Demand (for CTE programs): The current demand for Diesel Service Technicians and Mechanics is very high forecasting up to 9% growth from 2016-2026.

- With heavy equipment, mobile equipment, and diesel equipment combined there are roughly 470,000 service technician jobs in the US.
- It is forecasted that the US will add 40,000 diesel related service technician jobs from 2016-2026.

PROGRAM DATA ANALYSIS

Program Effectiveness: NA

Program Effectiveness (CTE): In the 2017-2018 school year we awarded 10 AS Degrees and 5 Certificates. This is a positive number considering that our cohort of students majoring in diesel is relatively small at this time. Many times the actual cohort of Diesel majors is about 25-30 and we consider this number of 15 awards to be a step in the right direction. We would love to see close to 80% degree or certificate completion as a goal.

One of the issues impacting the program is that the majority of diesel courses are only offered once a year. This can extend the degree completion rate for students and gives them more opportunity to wash out.

Job placement is not an issue for our program. With a huge need for diesel technicians our students (That have good work ethic) are picked up as soon as they show any useful skill sets. This can be an issue for the school because they often leave and may not finish their degree or certificate. This is a good problem to have but an on going issue none the less.

Course Success Rates: With an 80.34% average success rate over the last two years we are right at the threshold we are looking for. The diesel courses can be difficult and require the students to retain and learn many concepts. we are always looking to improve this number but at the same time strive to maintain the rigor needed for industry standards.

Course Retention Rates: The 90.55% average over the last 2 years shows that we have the ability to keep the students enrolled but we would like to make success and retention averages as close as possible while still maintaining industry standards.

Course Enrollments: With 158 students enrolled in the 2017-2018 school year being the highest number over the last 5 years we are happy to see the uptick in student interest and enrollment. The program was able to add additional sections in Hydraulics this last year and the improved numbers show the success of having additional section options for our students.

Equity: We have seen the percentage of white students decline over the last 4 years going from 85.59% in 2013-2014 to 69.92% in 2017-2018. This has been a gradual change showing a decline in each year. The inverse of this has been shown in the Hispanic student population going from 2.70% in 2013-2014 to 13.92% in 2017-2018.

The male to female ratio has remained at about 9% female to 91% male over the last 4 years.

As far as age of our students goes we have remained pretty steady with a diverse group of students spanning all age groups from 18-50+.

We do not see any huge barriers or areas of concern at this time and are pleased with the diversity of students throughout the program.

CURRICULUM

Review of courses with prerequisites: The course prerequisites have been reviewed and they are still viable at this time.

Challenges to offering key courses: We have had issues offering courses more than once a year due to space constraints. This issue is in the process of being remedied but it will be an issue until the new building is built in the Industrial area near the 2600 building.

Course changes: We have recently changed the degree and certificate for diesel adding a new course (DIES 169) and changing out one of our electives. We have been updating courses such as DIES 48 to better suit our industry and student needs.

SUMMARY

Changes or improvements needed based on the analysis above: The program has rewritten and updated its degree and certificate along with changing some of its courses to better suite our students and industry. Many new training aids are being purchased and will be utilized throughout the curriculum. We are in the process of changing so much we will continue to need new tooling and supplies as we move into the space made available to us in the 2500 building.

Note any resources you intend to request through the Area Planning process to improve the program.: We are requesting a newer model medium duty diesel truck to add to our training aids. We only have one current truck in our program and it would help immensely if we could have more options for the students.

Other information/reflections on the program: The diesel program has been a strong program for years and needs to continue to update and modernize in order to remain a relevant training program in the industry, The need for training is great and the jobs are plentiful as long as we can equip our students with the technology of today.

Conclusion: The Diesel Program is going through many changes at this time, implementing new courses and aligning our curriculum with an outside accrediting body (AED). We have many new training aids that are being integrated now and in the Spring Semester that will help our students meet PLOs. As stated throughout the document we will need to maintain better records on our students ability to complete SLOs and PLOs throughout the degree and certificate.

****BELOW TO BE COMPLETED BY THE PROGRAM REVIEW COMMITTEE****

Date: 11/20/2019

Recommended Action: The PRC recommends this program continue without qualification.

Summary of Findings: The program has a five-year average of 3.6 completers (2013/14 to 2017/18). The 5-year average success rate for most degree courses is 75.62%, which is above the Institution-set Standard of 70%. Retention rates are very strong with a five-year average of 91.02%. Enrollments show a 5-year average of 23.00 students per section. However, there is a

decline in enrollments from 26.84 students per section in 2013/14 to 19.70 students per section in 2017/18. It should be noted that the Diesel Faculty reported, "With 158 students enrolled in the 2017-2018 school year being the highest number over the last 5 years we are happy to see the uptick in student interest and enrollment." The faculty also report that the students are meeting the PLO outcomes but that they have not been able to accurately document the outcomes. They are working to address this by rewriting their PLO's. The PLO's have been mapped to ISLO's, SLO's to PLO's but SLO's have not been mapped to ISLO's. The PRC recognizes the faculty for their effort in completing this report. We appreciate their diligence in working to address PLO's that are documented and reported accurately. We applaud their desire to align the program with AED standards to further support student success and achievement. We highly value that the diversity of the program is considered.

The PRC recommends the following:

- The Diesel Faculty review statistics concerning enrollment data and reach out to research department for clarification.
- SLO's be mapped to ISLO's.
- Work with appropriate campus resources to make an effort to attract more females into the program.
- Continue with the plans for updating documentable PLO's, curriculum updates and so forth.
- Distinguish a path from certificate to degree program or differentiate the need for both as this program review documentation is largely a mirror image of the degree documentation.

Date summary sent to program faculty and/or counselors: 11/21/2019

Program faculty response: Sue Loring Counselor : "Yes, I support the recommendation to continue without qualification. I notice that the 5 year average for completers of the certificate is 3.6 students and the 5 year average for completers of the degree is 7.4 students. To me, these numbers indicate the "real" 5-year average for the number of students who complete the diesel program is 11. It seems that students who complete the degree don't see a need to apply for the certificate even though they qualify for it, as all of the diesel classes in the degree are also part of the certificate program."

None from faculty

Date summary sent to College Council: 12/13/2019

Date reviewed by College Council: 12/17/2019

College Council response or additional action: Acknowledged receipt.

Superintendent/President response/additional action:

Course Statistics

			Acyr / Term									
Subject	Course Name		2013-14		2014-15		2015-16		2016-17		2017-18	
			2013F	2014S	2014F	2015S	2015F	2016S	2016F	2017S	2017F	2018S
DIES	DIES-48	# Sections	1	2	1	2	2	2	2	2	3	4
		Census Enrollment	29	47	26	54	54	42	44	53	59	57
		Capacity	25	50	25	50	50	50	50	50	75	99
		Avg. Fill Rate	116.0%	94.0%	104.0%	108.0%	108.0%	84.0%	88.0%	106.0%	78.7%	57.6%
		Ftes	4.4	7.1	3.9	8.1	8.1	6.3	6.6	8.0	8.9	8.6
		Ftef	0.28	0.55	0.28	0.55	0.55	0.55	0.55	0.55	0.83	1.10
		Ftes/Ftef	15.9	12.9	14.2	14.7	14.7	11.5	12.1	14.5	10.8	7.8
		Weekly Contact Hrs	131	212	117	243	243	189	199	239	266	258
	DIES-49	# Sections		1		1		1		1		1
		Census Enrollment		22		25		26		17		13
		Capacity		25		25		25		25		25
		Avg. Fill Rate		88.0%		100.0%		104.0%		68.0%		52.0%
		Ftes		4.4		5.0		5.2		3.4		2.6
		Ftef		0.33		0.33		0.33		0.33		0.33
		Ftes/Ftef		13.5		15.4		16.0		10.5		8.0
		Weekly Contact Hrs		132		150		156		102		78
	DIES-94	# Sections	3	3	4	3	3	4	2	3	2	2
		Census Enrollment	4	12	6	15	9	8	5	11	8	6
		Capacity	4	11	6	14	8	8	5	10	9	5
		Avg. Fill Rate	100.0%	104.8%	88.9%	125.0%	106.7%	127.8%	100.0%	104.2%	50.0%	100.0%
		Ftes	0.4	0.7	0.4	0.6	0.4	0.5	0.2	0.5	0.3	0.2
		Ftef	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Ftes/Ftef										
		Weekly Contact Hrs	56	95	56	77	56	64	26	69	34	30
	DIES-160	# Sections	1		1		1		1		1	
		Census Enrollment	29		24		29		16		23	
		Capacity	25		25		25		25		25	
		Avg. Fill Rate	116.0%		96.0%		116.0%		64.0%		92.0%	
		Ftes	5.8		4.8		5.8		3.2		4.6	
		Ftef	0.35		0.35		0.35		0.35		0.35	
		Ftes/Ftef	16.6		13.7		16.6		9.1		13.1	
		Weekly Contact Hrs	174		144		174		96		138	
	DIES-161	# Sections		1		1		1		1		1
		Census Enrollment		24		19		19		17		12
		Capacity		25		25		25		25		25
		Avg. Fill Rate		96.0%		76.0%		76.0%		68.0%		48.0%
		Ftes		1.6		1.3		1.3		1.2		0.8
		Ftef		0.13		0.13		0.13		0.13		0.13
		Ftes/Ftef		12.3		9.8		9.8		8.8		6.2
		Weekly Contact Hrs		49		39		39		35		25
	DIES-162	# Sections	1		1		1		1		1	
		Census Enrollment	27		30		28		22		22	
		Capacity	25		25		25		25		25	
		Avg. Fill Rate	108.0%		120.0%		112.0%		88.0%		88.0%	
		Ftes	5.4		6.0		5.6		4.4		4.4	
		Ftef	0.35		0.35		0.35		0.35		0.35	

Sections, Census Enrollment, Capacity, Avg. Fill Rate, Ftes, Ftef, Ftes/Ftef and Weekly Contact Hrs broken down by Acyr and Term (XWFRDwCurrent (Xwfr_DW)) vs. Subject and Course Name (XWFRDwCurrent (Xwfr_DW)). The data is filtered on Division, Course Name, Location Desc, Exted Flag, Gender, Ethnicity and Age In Term (group). The Division filter keeps ACSS, BAITS, HSUP, PEAT and SLAM. The Course Name filter keeps 19 of 1,026 members. The Location Desc filter excludes Null and Redding - Off Campus. The Exted Flag filter keeps Null, N and Y. The Gender filter keeps Unknown, Female and Male. The Ethnicity filter keeps 9 of 9 members. The Age In Term (group) filter keeps multiple members. The view is filtered on Acyr, Subject and Term (XWFRDwCurrent (Xwfr_DW)). The Acyr filter keeps 2013-14, 2014-15, 2015-16, 2016-17 and 2017-18. The Subject filter keeps 87 of 94 members. The Term (XWFRDwCurrent (Xwfr_DW)) filter keeps 12 of 31 members.

Course Statistics

			Acyr / Term									
Subject	Course Name		2013-14		2014-15		2015-16		2016-17		2017-18	
			2013F	2014S	2014F	2015S	2015F	2016S	2016F	2017S	2017F	2018S
DIES	DIES-162	Ftes/Ftef	15.4		17.1		16.0		12.6		12.6	
		Weekly Contact Hrs	162		180		168		132		132	
	DIES-164	# Sections	1		1		1		1		1	
		Census Enrollment	29		28		28		24		22	
		Capacity	25		25		25		25		25	
		Avg. Fill Rate	116.0%		112.0%		112.0%		96.0%		88.0%	
		Ftes	5.8		5.6		5.6		4.8		4.4	
		Ftef	0.35		0.35		0.35		0.35		0.35	
		Ftes/Ftef	16.6		16.0		16.0		13.7		12.6	
		Weekly Contact Hrs	174		168		168		144		132	
	DIES-166	# Sections		1		1		1		1		1
		Census Enrollment		25		21		21		17		17
		Capacity		25		25		25		25		25
		Avg. Fill Rate		100.0%		84.0%		84.0%		68.0%		68.0%
		Ftes		10.0		8.4		8.4		6.8		6.8
		Ftef		0.65		0.65		0.65		0.65		0.65
		Ftes/Ftef		15.4		12.9		12.9		10.5		10.5
		Weekly Contact Hrs		300		252		252		204		204
	DIES-170	# Sections		1		1		1		1		1
		Census Enrollment		31		25		25		24		15
		Capacity		25		25		25		25		25
		Avg. Fill Rate		124.0%		100.0%		100.0%		96.0%		60.0%
		Ftes		6.2		5.0		5.0		4.8		3.0
		Ftef		0.35		0.35		0.35		0.35		0.35
		Ftes/Ftef		17.7		14.3		14.3		13.7		8.6
		Weekly Contact Hrs		186		150		150		144		90
ENGL	ENGL-190	# Sections	21	12	19	14	21	14	16	12	14	9
		Census Enrollment	518	273	455	283	417	231	357	210	302	162
		Capacity	566	360	512	373	591	371	449	321	391	257
		Avg. Fill Rate	95.8%	75.8%	100.7%	69.9%	69.0%	58.5%	76.3%	60.7%	73.6%	61.6%
		Ftes	69.1	36.3	60.7	37.8	55.6	30.8	47.4	28.0	40.3	21.7
		Ftef	5.40	3.60	4.80	3.30	5.40	3.30	3.90	2.70	3.30	2.26
		Ftes/Ftef	12.8	10.1	12.6	11.5	10.3	9.3	12.2	10.4	12.2	9.6
		Weekly Contact Hrs	2,072	1,087	1,820	1,135	1,668	924	1,423	839	1,210	651
INDE	INDE-1	# Sections	1	1	1	1	2	1	2	1	2	2
		Census Enrollment	34	29	40	32	50	26	44	29	55	36
		Capacity	35	30	35	30	70	30	70	30	70	55
		Avg. Fill Rate	97.1%	96.7%	114.3%	106.7%	71.4%	86.7%	62.9%	96.7%	78.6%	65.7%
		Ftes	1.1	1.0	1.3	1.1	3.3	1.7	2.9	1.9	3.7	2.4
		Ftef	0.07	0.07	0.07	0.07	0.22	0.11	0.22	0.11	0.22	0.22
		Ftes/Ftef	16.9	14.5	19.9	16.0	15.4	16.0	13.6	17.9	17.0	11.1
		Weekly Contact Hrs	34	29	40	32	100	52	88	58	110	72
MATH	MATH-100	# Sections	1	1	1	5	1	5	1	4	3	1
		Census Enrollment	30	28	35	46	29	48	38	54	68	35
		Capacity	35	35	35	116	35	109	35	110	88	35
		Avg. Fill Rate	85.7%	80.0%	100.0%	33.0%	82.9%	34.9%	108.6%	43.4%	74.8%	100.0%

Sections, Census Enrollment, Capacity, Avg. Fill Rate, Ftes, Ftef, Ftes/Ftef and Weekly Contact Hrs broken down by Acyr and Term (XWFRDwCurrent (Xwfr_DW)) vs. Subject and Course Name (XWFRDwCurrent (Xwfr_DW)). The data is filtered on Division, Course Name, Location Desc, Exted Flag, Gender, Ethnicity and Age In Term (group). The Division filter keeps ACSS, BAITS, HSUP, PEAT and SLAM. The Course Name filter keeps 19 of 1,026 members. The Location Desc filter excludes Null and Redding - Off Campus. The Exted Flag filter keeps Null, N and Y. The Gender filter keeps Unknown, Female and Male. The Ethnicity filter keeps 9 of 9 members. The Age In Term (group) filter keeps multiple members. The view is filtered on Acyr, Subject and Term (XWFRDwCurrent (Xwfr_DW)). The Acyr filter keeps 2013-14, 2014-15, 2015-16, 2016-17 and 2017-18. The Subject filter keeps 87 of 94 members. The Term (XWFRDwCurrent (Xwfr_DW)) filter keeps 12 of 31 members.

Course Statistics

			Acyr / Term									
Subject	Course Name		2013-14		2014-15		2015-16		2016-17		2017-18	
			2013F	2014S	2014F	2015S	2015F	2016S	2016F	2017S	2017F	2018S
MATH	MATH-100	Ftes	3.0	2.8	3.5	4.6	2.9	4.8	3.8	5.4	6.8	3.5
		Ftef	0.20	0.20	0.20	0.40	0.20	0.40	0.20	0.36	0.31	0.20
		Ftes/Ftef	15.0	14.0	17.5	11.5	14.5	12.0	19.0	15.1	22.1	17.5
		Weekly Contact Hrs	90	84	105	138	87	144	114	162	204	105
WELD	WELD-70	# Sections	4	3	5	3	8	3	9	3	8	3
		Census Enrollment	92	87	105	81	110	74	117	79	111	75
		Capacity	85	75	95	75	125	75	135	75	125	75
		Avg. Fill Rate	111.5%	116.0%	106.8%	108.0%	79.8%	98.7%	82.0%	105.3%	78.8%	100.0%
		Ftes	18.5	17.4	19.9	16.2	21.1	14.8	22.7	15.8	21.6	15.0
		Ftef	0.93	0.98	0.76	0.98	0.76	0.98	0.98	0.98	0.98	0.98
		Ftes/Ftef	19.8	17.8	26.0	16.6	27.7	15.2	23.3	16.2	22.1	15.4
		Weekly Contact Hrs	554	522	589	486	529	444	641	474	635	450
	WELD-73	# Sections	2	2	1	3	1	2	2	2	2	2
		Census Enrollment	41	36	13	58	15	40	36	35	38	41
		Capacity	40	34	15	42	15	30	30	30	30	30
		Avg. Fill Rate	102.5%	105.9%	86.7%	140.0%	100.0%	133.3%	120.0%	116.7%	126.7%	136.7%
		Ftes	8.2	7.2	2.6	11.6	3.0	8.0	7.2	7.0	7.6	8.2
		Ftef	0.65	0.29	0.13	0.37	0.13	0.46	0.45	0.46	0.45	0.65
		Ftes/Ftef	12.6	25.2	20.6	31.4	23.8	17.3	16.0	15.1	16.9	12.6
		Weekly Contact Hrs	246	216	78	348	90	240	216	210	228	246
	WELD-170	# Sections	1	1	1	1	1	1	1	1	1	1
		Census Enrollment	26	29	33	30	23	25	25	26	24	25
		Capacity	20	25	20	25	20	25	20	20	20	20
		Avg. Fill Rate	130.0%	116.0%	165.0%	120.0%	115.0%	100.0%	125.0%	130.0%	120.0%	125.0%
		Ftes	5.2	5.8	6.6	6.0	4.6	5.0	5.0	5.2	4.8	5.0
		Ftef	0.33	0.17	0.14	0.17	0.14	0.17	0.33	0.17	0.27	0.17
		Ftes/Ftef	16.0	33.7	47.5	34.9	33.1	29.1	15.4	31.3	17.6	30.1
		Weekly Contact Hrs	156	174	198	180	138	150	150	156	144	150
	WELD-171	# Sections	1	1	1	1	1	1	1	1	1	1
		Census Enrollment	25	26	19	32	27	21	23	32	24	32
		Capacity	20	20	20	20	20	20	20	20	20	20
		Avg. Fill Rate	125.0%	130.0%	95.0%	160.0%	135.0%	105.0%	115.0%	160.0%	120.0%	160.0%
		Ftes	5.0	5.2	3.8	6.4	5.4	4.2	4.6	6.4	4.8	6.4
		Ftef	0.33	0.24	0.17	0.24	0.17	0.27	0.15	0.27	0.15	0.27
		Ftes/Ftef	15.4	21.9	22.9	26.6	32.5	15.5	30.1	23.6	31.4	23.6
		Weekly Contact Hrs	150	156	114	192	162	126	138	192	144	192
	WELD-174	# Sections	1	1	1	1	1	1	2	1	2	1
		Census Enrollment	27	25	26	25	22	25	39	24	40	27
		Capacity	20	25	20	20	20	20	40	20	40	20
		Avg. Fill Rate	135.0%	100.0%	130.0%	125.0%	110.0%	125.0%	97.5%	120.0%	100.0%	135.0%
		Ftes	5.4	5.0	5.2	5.0	4.4	5.0	7.8	4.8	8.0	5.4
		Ftef	0.33	0.33	0.27	0.33	0.27	0.33	0.65	0.33	0.65	0.33
		Ftes/Ftef	16.6	15.4	19.2	15.4	16.2	15.4	12.0	14.8	12.3	16.6
		Weekly Contact Hrs	162	150	156	150	132	150	234	144	240	162
	WELD-175	# Sections	2	1	2	1	2	1	1	1	1	1
		Census Enrollment	44	24	43	23	39	21	20	21	21	22

Sections, Census Enrollment, Capacity, Avg. Fill Rate, Ftes, Ftef, Ftes/Ftef and Weekly Contact Hrs broken down by Acyr and Term (XWFRDwCurrent (Xwfr_DW)) vs. Subject and Course Name (XWFRDwCurrent (Xwfr_DW)). The data is filtered on Division, Course Name, Location Desc, Exted Flag, Gender, Ethnicity and Age In Term (group). The Division filter keeps ACSS, BAITS, HSUP, PEAT and SLAM. The Course Name filter keeps 19 of 1,026 members. The Location Desc filter excludes Null and Redding - Off Campus. The Exted Flag filter keeps Null, N and Y. The Gender filter keeps Unknown, Female and Male. The Ethnicity filter keeps 9 of 9 members. The Age In Term (group) filter keeps multiple members. The view is filtered on Acyr, Subject and Term (XWFRDwCurrent (Xwfr_DW)). The Acyr filter keeps 2013-14, 2014-15, 2015-16, 2016-17 and 2017-18. The Subject filter keeps 87 of 94 members. The Term (XWFRDwCurrent (Xwfr_DW)) filter keeps 12 of 31 members.

Course Statistics

			Acyr / Term									
Subject	Course Name		2013-14		2014-15		2015-16		2016-17		2017-18	
			2013F	2014S	2014F	2015S	2015F	2016S	2016F	2017S	2017F	2018S
WELD	WELD-175	Capacity	40	20	40	20	35	20	20	20	20	20
		Avg. Fill Rate	110.0%	120.0%	107.5%	115.0%	110.8%	105.0%	100.0%	105.0%	105.0%	110.0%
		Ftes	8.8	4.8	8.6	4.6	7.8	4.2	4.0	4.2	4.2	4.4
		Ftef	0.65	0.18	0.33	0.18	0.32	0.33	0.33	0.33	0.33	0.33
		Ftes/Ftef	13.5	26.1	26.1	25.0	24.3	12.9	12.3	12.9	12.9	13.5
		Weekly Contact Hrs	264	144	258	138	234	126	120	126	126	132
	WELD-178	# Sections	1	1	1	1	1	1	1	1	1	1
		Census Enrollment	22	22	20	25	21	22	22	21	25	23
		Capacity	20	20	20	20	20	20	20	20	20	20
		Avg. Fill Rate	110.0%	110.0%	100.0%	125.0%	105.0%	110.0%	110.0%	105.0%	125.0%	115.0%
		Ftes	4.4	4.4	4.0	5.0	4.2	4.4	4.4	4.2	5.0	4.6
		Ftef	0.33	0.27	0.12	0.25	0.12	0.33	0.33	0.33	0.33	0.33
		Ftes/Ftef	13.5	16.3	33.9	20.2	35.6	13.5	13.5	12.9	15.4	14.2
		Weekly Contact Hrs	132	132	120	150	126	132	132	126	150	138
Grand Total	# Sections	42	33	41	40	47	40	43	36	43	32	
	Census Enrollment	977	740	903	794	901	674	832	670	842	598	
	Capacity	985	805	918	905	1,084	878	969	826	983	756	
	Avg. Fill Rate	110.6%	103.6%	108.5%	106.0%	102.2%	95.8%	95.6%	97.1%	93.3%	93.4%	
	Ftes	150.5	119.9	136.9	126.7	137.8	109.7	129.1	107.6	129.3	98.7	
	Ftef	10.53	8.32	8.30	8.29	9.32	8.67	9.12	8.02	8.85	8.27	
	Ftes/Ftef	14.3	14.4	16.5	15.3	14.8	12.6	14.2	13.4	14.6	11.9	
	Weekly Contact Hrs	4,557	3,668	4,143	3,860	4,075	3,338	3,853	3,280	3,893	2,983	

Sections, Census Enrollment, Capacity, Avg. Fill Rate, Ftes, Ftef, Ftes/Ftef and Weekly Contact Hrs broken down by Acyr and Term (XWFRDwCurrent (Xwfr_DW)) vs. Subject and Course Name (XWFRDwCurrent (Xwfr_DW)). The data is filtered on Division, Course Name, Location Desc, Exted Flag, Gender, Ethnicity and Age In Term (group). The Division filter keeps ACSS, BAITS, HSUP, PEAT and SLAM. The Course Name filter keeps 19 of 1,026 members. The Location Desc filter excludes Null and Redding - Off Campus. The Exted Flag filter keeps Null, N and Y. The Gender filter keeps Unknown, Female and Male. The Ethnicity filter keeps 9 of 9 members. The Age In Term (group) filter keeps multiple members. The view is filtered on Acyr, Subject and Term (XWFRDwCurrent (Xwfr_DW)). The Acyr filter keeps 2013-14, 2014-15, 2015-16, 2016-17 and 2017-18. The Subject filter keeps 87 of 94 members. The Term (XWFRDwCurrent (Xwfr_DW)) filter keeps 12 of 31 members.

Success/Retention Tables

			Acyr / Term										
Subject	Course Name		2013-14		2014-15		2015-16		2016-17		2017-18		5 Yr Avg
			2013F	2014S	2014F	2015S	2015F	2016S	2016F	2017S	2017F	2018S	
DIES	DIES-48	Avg Seats per Section	31.00	26.50	30.00	27.50	28.50	23.50	25.00	27.50	20.67	16.75	25.69
		Success Rate	100.00%	78.72%	80.77%	92.59%	75.93%	67.44%	86.36%	73.58%	63.79%	73.68%	79.29%
		RetentionRate	100.00%	97.87%	96.15%	98.15%	96.30%	86.05%	95.45%	94.34%	87.93%	91.23%	94.35%
	DIES-49	Avg Seats per Section		23.00		26.00		28.00		20.00		13.00	22.00
		Success Rate		63.64%		68.00%		84.62%		100.00%		53.85%	74.02%
		RetentionRate		72.73%		96.00%		96.15%		100.00%		69.23%	86.82%
	DIES-94	Avg Seats per Section	1.33	4.00	1.50	5.00	3.00	2.25	2.50	3.67	4.50	3.50	3.13
		Success Rate	100.00%	91.67%	85.71%	86.67%	88.89%	88.89%	100.00%	81.82%	88.89%	71.43%	88.40%
		RetentionRate	100.00%	91.67%	85.71%	93.33%	88.89%	88.89%	100.00%	90.91%	100.00%	71.43%	91.08%
	DIES-160	Avg Seats per Section	31.00		25.00		31.00		17.00		23.00		25.40
		Success Rate	93.10%		79.17%		75.86%		62.50%		77.27%		77.58%
		RetentionRate	100.00%		100.00%		96.55%		87.50%		86.36%		94.08%
	DIES-161	Avg Seats per Section		24.00		22.00		20.00		18.00		12.00	19.20
		Success Rate		100.00%		100.00%		100.00%		100.00%		91.67%	98.33%
		RetentionRate		100.00%		100.00%		100.00%		100.00%		91.67%	98.33%
	DIES-162	Avg Seats per Section	29.00		30.00		29.00		23.00		22.00		26.60
		Success Rate	92.59%		83.33%		78.57%		72.73%		76.19%		80.68%
		RetentionRate	100.00%		96.67%		96.43%		81.82%		90.48%		93.08%
	DIES-164	Avg Seats per Section	31.00		29.00		30.00		25.00		22.00		27.40
		Success Rate	89.66%		85.71%		71.43%		83.33%		80.95%		82.22%
		RetentionRate	100.00%		100.00%		96.43%		91.67%		90.48%		95.71%
	DIES-166	Avg Seats per Section		25.00		21.00		21.00		18.00		17.00	20.40
		Success Rate		84.00%		90.48%		100.00%		88.24%		88.24%	90.19%
		RetentionRate		96.00%		100.00%		100.00%		94.12%		94.12%	96.85%
	DIES-170	Avg Seats per Section		32.00		25.00		25.00		24.00		17.00	24.60
		Success Rate		80.65%		88.00%		88.00%		81.82%		73.33%	82.36%
		RetentionRate		93.55%		100.00%		96.00%		95.45%		86.67%	94.33%
ENGL	ENGL-190	Avg Seats per Section	26.43	25.92	27.00	23.71	22.57	19.14	24.19	19.58	23.93	20.56	23.30
		Success Rate	63.30%	56.09%	54.49%	59.01%	63.79%	55.60%	55.21%	61.03%	55.25%	61.35%	58.51%
		RetentionRate	84.85%	81.92%	82.49%	82.69%	89.45%	81.47%	80.56%	86.15%	81.02%	77.30%	82.79%
INDE	INDE-1	Avg Seats per Section	39.00	31.00	41.00	35.00	32.00	30.00	26.50	29.00	31.00	20.00	31.45
		Success Rate	67.65%	68.97%	72.50%	75.00%	68.00%	50.00%	50.00%	70.37%	78.18%	69.44%	67.01%
		RetentionRate	94.12%	100.00%	95.00%	87.50%	92.00%	88.46%	86.36%	88.89%	87.27%	86.11%	90.57%
MATH	MATH-100	Avg Seats per Section	37.00	34.00	38.00	10.00	36.00	11.60	40.00	15.75	23.00	41.00	28.64
		Success Rate	44.83%	42.86%	57.14%	63.04%	62.07%	60.42%	36.84%	65.38%	45.31%	62.86%	54.08%
		RetentionRate	82.76%	78.57%	85.71%	82.61%	86.21%	83.33%	86.84%	92.31%	81.25%	82.86%	84.25%
WELD	WELD-70	Avg Seats per Section	26.00	31.67	21.80	30.33	14.50	28.33	13.78	26.33	14.88	27.67	23.53
		Success Rate	79.75%	75.86%	74.29%	79.01%	80.91%	77.03%	75.21%	78.08%	87.16%	77.33%	78.46%
		RetentionRate	88.61%	94.25%	91.43%	85.19%	94.55%	91.89%	93.16%	90.41%	95.41%	96.00%	92.09%
	WELD-73	Avg Seats per Section	21.50	18.50	16.00	20.00	17.00	20.50	19.50	17.00	21.00	22.00	19.30
		Success Rate	87.80%	77.14%	76.92%	84.48%	93.33%	85.00%	80.56%	90.91%	91.67%	78.05%	84.59%
		RetentionRate	92.68%	91.43%	92.31%	93.10%	100.00%	87.50%	88.89%	100.00%	94.44%	90.24%	93.06%
	WELD-170	Avg Seats per Section	26.00	30.00	33.00	32.00	26.00	26.00	27.00	27.00	25.00	28.00	28.00
		Success Rate	88.46%	62.07%	90.91%	83.33%	86.96%	68.00%	96.00%	58.33%	95.83%	72.00%	80.19%
		RetentionRate	96.15%	86.21%	100.00%	100.00%	100.00%	84.00%	96.00%	91.67%	100.00%	84.00%	93.80%
	WELD-171	Avg Seats per Section	27.00	28.00	22.00	32.00	28.00	22.00	23.00	32.00	24.00	34.00	27.20
		Success Rate	68.00%	84.62%	78.95%	90.63%	70.37%	95.24%	86.96%	83.87%	91.30%	93.75%	84.37%
		RetentionRate	100.00%	92.31%	89.47%	100.00%	96.30%	95.24%	95.65%	96.77%	100.00%	96.88%	96.26%
	WELD-174	Avg Seats per Section	27.00	27.00	27.00	27.00	25.00	25.00	21.50	25.00	20.50	27.00	25.20
		Success Rate	92.59%	72.00%	76.92%	88.00%	100.00%	96.00%	84.62%	83.33%	76.32%	88.89%	85.87%
		RetentionRate	96.30%	84.00%	96.15%	100.00%	100.00%	96.00%	89.74%	95.83%	92.11%	96.30%	94.64%
	WELD-175	Avg Seats per Section	24.50	26.00	23.00	23.00	20.50	22.00	21.00	21.00	23.00	22.00	22.60
		Success Rate	79.55%	83.33%	88.37%	91.30%	87.18%	90.48%	90.00%	95.00%	80.95%	95.45%	88.16%
		RetentionRate	90.91%	87.50%	95.35%	100.00%	97.44%	95.24%	90.00%	100.00%	85.71%	95.45%	93.76%

Avg Seats per Section, Success Rate and RetentionRate broken down by Acyr and Term vs. Subject and Course Name. The data is filtered on Division, Location Desc, Exted Flag, Gender, Ethnicity and Age In Term (group). The Division filter keeps ACSS, BAITS, HSUP, PEAT and SLAM. The Location Desc filter excludes Null and Redding - Off Campus. The Exted Flag filter keeps Null, N and Y. The Gender filter keeps Unknown, Female and Male. The Ethnicity filter keeps 9 of 9 members. The Age In Term (group) filter keeps multiple members. The view is filtered on Acyr, Subject and Course Name. The Acyr filter keeps 2013-14, 2014-15, 2015-16, 2016-17 and 2017-18. The Subject filter keeps 87 of 94 members. The Course Name filter keeps 19 of 1,026 members.

Success/Retention Tables

			Acyr / Term										
Subject	Course Name		2013-14		2014-15		2015-16		2016-17		2017-18		5 Yr Avg
			2013F	2014S	2014F	2015S	2015F	2016S	2016F	2017S	2017F	2018S	
WELD	WELD-178	Avg Seats per Section	24.00	24.00	22.00	25.00	26.00	24.00	22.00	22.00	25.00	24.00	23.80
		Success Rate	86.36%	90.91%	95.00%	96.00%	90.48%	100.00%	81.82%	85.71%	96.00%	91.30%	91.36%
		RetentionRate	95.45%	100.00%	95.00%	96.00%	100.00%	100.00%	90.91%	100.00%	96.00%	100.00%	97.34%
Grand Total		Avg Seats per Section	26.78	25.66	25.75	24.03	24.60	21.77	22.06	21.61	21.56	21.59	23.52
		Success Rate	82.24%	75.78%	78.68%	83.47%	79.58%	81.67%	76.14%	81.09%	79.00%	77.66%	79.55%
		RetentionRate	94.79%	90.50%	93.43%	94.66%	95.37%	91.89%	90.30%	94.80%	91.23%	88.09%	92.49%

Avg Seats per Section, Success Rate and RetentionRate broken down by Acyr and Term vs. Subject and Course Name. The data is filtered on Division, Location Desc, Exted Flag, Gender, Ethnicity and Age In Term (group). The Division filter keeps ACSS, BAITs, HSUP, PEAT and SLAM. The Location Desc filter excludes Null and Redding - Off Campus. The Exted Flag filter keeps Null, N and Y. The Gender filter keeps Unknown, Female and Male. The Ethnicity filter keeps 9 of 9 members. The Age In Term (group) filter keeps multiple members. The view is filtered on Acyr, Subject and Course Name. The Acyr filter keeps 2013-14, 2014-15, 2015-16, 2016-17 and 2017-18. The Subject filter keeps 87 of 94 members. The Course Name filter keeps 19 of 1,026 members.

CCCCO Program Awards As of 09/21/2018

Award Type	Program Co..	Top Code	Program Title	Acyr			
				2013-14	2014-15	2015-16	2016-17
Grand Total				3	2	5	2
Certificate requiring 30 to fewer th..	CT.3134	094700	CERT Diesel Technology	3	2	5	2

Count of CCCCCO Assigned broken down by Acyr vs. Award Type, Program Code, Top Code and Program Title. The view is filtered on Award Type and Program Code. The Award Type filter keeps 7 of 7 members. The Program Code filter keeps CT.3134.

CCCCO Program Awards As of 09/21/2018

				Acyr
Award Type	Program Co..	Top Code	Program Title	2017-18
Grand Total				5
Certificate requiring 30 to fewer th..	CT.3134	094700	CERT Diesel Technology	5

Count of CCCCCO Assigned broken down by Acyr vs. Award Type, Program Code, Top Code and Program Title. The view is filtered on Award Type and Program Code. The Award Type filter keeps 7 of 7 members. The Program Code filter keeps CT.3134.

SC Internal Awards - Data As of 09/24/2018 BAITs

				Academic Year				
Award Type	Division	Program Co..	Title	2013-14	2014-15	2015-16	2016-17	2017-18
Grand Total				3	2	5	3	5
Certificate - 30 - 59 U..	BAITS	CT.3134	CERT Diesel Technology	3	2	5	3	5

Count of Acad Person Id broken down by Academic Year vs. Award Type, Division, Program Code and Title. The data is filtered on Major, Age Group, Gender and Ethnicity. The Major filter keeps 83 of 60 members. The Age Group filter keeps 7 of 7 members. The Gender filter keeps F, M and NULL. The Ethnicity filter keeps 9 of 9 members. The view is filtered on Division, Program Code and Award Type. The Division filter keeps ACSS, BAITs, HSUP, PEAT and SLAM. The Program Code filter keeps CT.3134. The Award Type filter keeps 8 of 7 members.