

IMPERIAL VALLEY COLLEGE
PROGRAM REVIEW COMPLIANCE FORM AND REQUEST FOR RESOURCES

PROGRAM/DEPARTMENT Auto Tech

ACADEMIC YR. 2011-2012

Comprehensive Program Review Annual Assessment Request for Resources (check all that apply)

Please analyze your Program Review data as well as your SLO/SAO assessment findings in order to update to your Comprehensive Program Review report as needed. All changes to area needs and subsequent requests for additional resources must be reported at this time.

If your program is scheduled for a Comprehensive Program Review all forms are to be completed and submitted to the appropriate Dean/VP. If you are completing the annual Program Review Assessment only and have no changes to area needs, sign below and submit this form to appropriate Dean/VP. If your needs have changed as a result of your annual assessment of program review data, please complete the appropriate Request for Resources form(s) and submit to appropriate Dean/VP.

[Signature] 3/8/2012 [Signature] 3/7/12
Signature of Program Chair/Director Date Signature of Area Dean Date

[Signature] 3-14-2012
Signature of Area Vice President Date

Please attach the following documents to this Program Review Compliance form if you are requesting additional resources:

- ✓ Comprehensive Program Review
- ✓ Data Analysis Form
- ✓ SLO/SAO Assessments
- ✓ Request for Resources Forms

Part 2 – Comprehensive Program Review

Fall 2011

Program Name: AUTOMOTIVE TECHNOLOGY

A. PAST: Review of Program Performance, Objectives, and Outcomes for the Three Previous Academic Years: 2008-09, 2009-10, 2010-11

1. List the objectives developed for this program during the last comprehensive program review.

The Industrial Technology Department maintains a philosophy that students must receive the best education available for the career which they are studying.

We are dedicated to our students meeting their educational goals so that they may engage in productive and successful occupations. Concern for our students will always come first. To realize our philosophy and focus on the following overall objectives.

- a) Provide training in career of high market demands and always remaining cognizant of current and future industry employment needs.
- b) To becoming NATEF certified program since most automotive employers look for and give employment preference to completers graduated from National Accredited School and programs.
- c) Provide excellent motivation and pragmatic training in a highly qualified training program.
- d) Update/modernize technology in the auto lab and classroom including equipment, computers workbenches and lab activities.
- e) Developing skills award certificates which included (13-16 units) for better job opportunities.
- f) Help students to select correct class schedule.
- g) Developed automotive workshops from different Automotive Companies to provide more job information and opportunities for our automotive students.
- h) Create computer literacy skills program for automotive students.

2. Present program performance data in tabular form for the previous three years that demonstrates the program's performance toward meeting the previous objectives. Include the following standard program performance metrics as well additional program specific metrics, if any.
 - a. For teaching programs this data should include at least the following: Enrollment at census, number of sections, fill rate, retention rate, success rate, and grade distribution for each course in the program, during each semester and session of the previous three academic years. In addition, the Full Time Equivalent Faculty (FTEF) and Full Time Equivalent Students (FTES) and the ratio of FTES per FTEF should be presented for the program for each semester and session.
 - b. For non teaching programs this data should include the following: TBD

Program Review – Automotive Technology (AU T) Program

Enrollment Count at Census

Course	Fall			Total	Spr.			Total	Sum.		Total	Win.		Total	Grand Total
	2008	2009	2010		2009	2010	2011		2009	2010		2009	2010		
AU T070			18	18						21	21				3
AU T075	20			20	47			47							6
AU T085	15		26	41	9		25	34							7
AU T110	17	38	18	73	22	21	21	64							13
AU T120						11	17	28							2
AU T125	21	28	37	86	39	40	25	104							19
AU T130		25	21	46		23		23				14		14	8
AU T150		16	24	40	19		21	40							8
AU T155	21	27	37	85	27	22	19	68							15
AU T160	22	14		36	18	23	19	60							9
AU T170	16	20	21	57		15		15				13		13	8
AU T175	13			13											1
AU T180					23		21	44				12	16	28	7
AU T210	14	26	21	61		24	20	44							10
AU T220	15	27	26	68			14	14							8
AU T230					22		20	42					16	16	5

AU T235						13		13							1
AU T250						12		12							1
Total	174	221	249	644	226	204	222	652		21	21	39	32	71	138

Number of Sections															
Course	Fall			Total	Spr.			Total	Sum.		Total	Win.		Total	Grand Total
	2008	2009	2010		2009	2010	2011		2009	2010		2009	2010		
AU T070			1	1					1	1					
AU T075	1			1	2			2							
AU T085	1		1	2	1		1	2							
AU T110	1	2	1	4	1	1	1	3							
AU T120						1	1	2							
AU T125	1	1	2	4	2	2	1	5							
AU T130		1	1	2		1		1				1		1	
AU T150		1	1	2	1		1	2							
AU T155	1	1	2	4	1	1	1	3							
AU T160	1	1		2	1	1	1	3							
AU T170	1	1	1	3		1		1				1		1	
AU T175	1			1											
AU T180					1		1	2				1	1	2	
AU T210	1	1	1	3		1	1	2							
AU T220	1	1	1	3			1	1							
AU T230					1		1	2					1	1	
AU T235						1		1							
AU T250						1		1							
Total	10	10	12	32	11	11	11	33		1	1	3	2	5	7

Student Success Rate

Course	Fall			Fall Avg.	Spr.			Spr. Avg.	Sum.		Sum. Avg.	Win.		Win. Avg.	Average
	2008	2009	2010		2009	2010	2011		2009	2010		2009	2010		
AU T070			72.2%	72.2%						76.2%	76.2%				74.2%
AU T075	90.0%			90.0%	80.9%			80.9%							85.4%
AU T085	60.0%		80.8%	70.4%	44.4%		76.0%	60.2%							65.3%
AU T110	76.5%	84.2%	83.3%	81.3%	90.9%	76.2%	85.7%	84.3%							82.8%
AU T120						72.7%	52.9%	62.8%							62.8%
AU T125	90.5%	35.7%	43.2%	56.5%	69.2%	62.5%	64.0%	65.2%							60.9%
AU T130		92.0%	95.2%	93.6%		82.6%		82.6%				92.9%		92.9%	90.7%
AU T150		50.0%	54.2%	52.1%	84.2%		75.0%	79.6%							65.8%
AU T155	81.0%	77.8%	86.5%	81.7%	55.6%	77.3%	52.6%	61.8%							71.8%
AU T160	77.3%	57.1%		67.2%	77.8%	91.3%	73.7%	80.9%							75.4%
AU T170	81.3%	70.0%	66.7%	72.6%		53.3%		53.3%				84.6%		84.6%	71.2%
AU T175	76.9%			76.9%											76.9%
AU T180					78.3%		47.6%	62.9%				50.0%	81.3%	65.6%	64.3%
AU T210	78.6%	84.6%	66.7%	76.6%		79.2%	60.0%	69.6%							73.8%
AU T220	73.3%	81.5%	80.8%	78.5%			57.1%	57.1%							73.2%
AU T230					86.4%		85.0%	85.7%					75.0%	75.0%	82.1%
AU T235						92.3%		92.3%							92.3%
AU T250						91.7%		91.7%							91.7%
>>>>	78.5%	70.3%	73.0%	74.1%	74.2%	77.9%	66.3%	72.5%		76.2%	76.2%	75.8%	78.1%	76.7%	73.6%

Student Retention Rate

Course	Fall			Fall Avg.	Spr.			Spr. Avg.	Sum.		Sum. Avg.	Win.		Win. Avg.	Average
	2008	2009	2010		2009	2010	2011		2009	2010		2009	2010		
AU T070			83.3%	83.3%						85.7%	85.7%				84.5%
AU T075	90.0%			90.0%	87.2%			87.2%							88.6%
AU T085	73.3%		84.6%	79.0%	77.8%		88.0%	82.9%							80.9%
AU T110	76.5%	84.2%	94.4%	85.0%	95.5%	81.0%	90.5%	89.0%							87.0%

AU T120						100.0%	76.5%	88.2%							88.2%
AU T125	100.0%	78.6%	78.4%	85.6%	82.1%	85.0%	92.0%	86.4%							86.0%
AU T130		100.0%	100.0%	100.0%		95.7%		95.7%				100.0%		100.0%	98.9%
AU T150		81.3%	95.8%	88.5%	89.5%		80.0%	84.7%							86.6%
AU T155	85.7%	81.5%	94.6%	87.3%	77.8%	100.0%	78.9%	85.6%							86.4%
AU T160	81.8%	78.6%		80.2%	88.9%	91.3%	89.5%	89.9%							86.0%
AU T170	81.3%	70.0%	81.0%	77.4%		60.0%		60.0%				84.6%		84.6%	75.4%
AU T175	84.6%			84.6%											84.6%
AU T180					87.0%		76.2%	81.6%				50.0%	81.3%	65.6%	73.6%
AU T210	78.6%	84.6%	76.2%	79.8%		95.8%	80.0%	87.9%							83.0%
AU T220	73.3%	88.9%	100.0%	87.4%			57.1%	57.1%							79.8%
AU T230					90.9%		90.0%	90.5%					81.3%	81.3%	87.4%
AU T235						100.0%		100.0%							100.0%
AU T250						100.0%		100.0%							100.0%
>>>>	82.5%	83.1%	88.8%	84.9%	86.3%	90.9%	81.7%	86.1%		85.7%	85.7%	78.2%	81.3%	79.4%	85.0%

Grade Distribution															
Course	Year	FWSS	A	B	C	D	F	CR	P	I	Other	W	Total	Success Rate	Retention Rate
AU T070	2010	Sum.	8	6	2	2					0	3	21	76.2%	85.7%
AU T070	2010	Fall	6	4	3	2					0	3	18	72.2%	83.3%
AU T075	2008	Fall	13	2	3						0	2	20	90.0%	90.0%
AU T075	2009	Spr.	17	18	3	3					0	6	47	80.9%	87.2%
AU T085	2008	Fall		7	2		2				0	4	15	60.0%	73.3%
AU T085	2009	Spr.		3	1		3				0	2	9	44.4%	77.8%
AU T085	2010	Fall	16	3	2		1				0	4	26	80.8%	84.6%
AU T085	2011	Spr.	16	3			3				0	3	25	76.0%	88.0%
AU T110	2008	Fall	4	9							0	4	17	76.5%	76.5%
AU T110	2009	Spr.	5	5	10	1					0	1	22	90.9%	95.5%

AU T110	2009	Fall	7	19	6					0	6	38	84.2%	84.2%
AU T110	2010	Spr.		12	4	1				0	4	21	76.2%	81.0%
AU T110	2010	Fall	5		10		2			0	1	18	83.3%	94.4%
AU T110	2011	Spr.	2	9	7		1			0	2	21	85.7%	90.5%
AU T120	2010	Spr.	2	2	4	3				0		11	72.7%	100.0%
AU T120	2011	Spr.	1	3	5	4				0	4	17	52.9%	76.5%
AU T125	2008	Fall	6	7	6	1	1			0		21	90.5%	100.0%
AU T125	2009	Spr.	2	13	12	4	1			0	7	39	69.2%	82.1%
AU T125	2009	Fall	1	2	7	8	4			0	6	28	35.7%	78.6%
AU T125	2010	Spr.	4	6	15		9			0	6	40	62.5%	85.0%
AU T125	2010	Fall	1	8	7	9	4			0	8	37	43.2%	78.4%
AU T125	2011	Spr.	4	8	4	4	3			0	2	25	64.0%	92.0%
AU T130	2009	Win.	4	5	4	1				0		14	92.9%	100.0%
AU T130	2009	Fall	4	12	7	2				0		25	92.0%	100.0%
AU T130	2010	Spr.	6	7	6	3				0	1	23	82.6%	95.7%
AU T130	2010	Fall	1	8	11	1				0		21	95.2%	100.0%
AU T150	2009	Spr.		8	8		1			0	2	19	84.2%	89.5%
AU T150	2009	Fall		4	4	3	2			0	3	16	50.0%	81.3%
AU T150	2010	Fall	4	4	5	10				0	1	24	54.2%	95.8%
AU T150	2011	Spr.	1	5	9	1				0	4	20	75.0%	80.0%
AU T155	2008	Fall	5	9	3	1				0	3	21	81.0%	85.7%
AU T155	2009	Spr.		5	10	6				0	6	27	55.6%	77.8%
AU T155	2009	Fall	6	11	4		1			0	5	27	77.8%	81.5%
AU T155	2010	Spr.	3	8	6	5				0		22	77.3%	100.0%
AU T155	2010	Fall	13	11	8		3			0	2	37	86.5%	94.6%
AU T155	2011	Spr.	1	3	6	2	3			0	4	19	52.6%	78.9%
AU T160	2008	Fall	4	8	5	1				0	4	22	77.3%	81.8%
AU T160	2009	Spr.	1	9	4	2				0	2	18	77.8%	88.9%
AU T160	2009	Fall		4	4	3				0	3	14	57.1%	78.6%
AU T160	2010	Spr.	2	10	9					0	2	23	91.3%	91.3%
AU T160	2011	Spr.		10	4	3				0	2	19	73.7%	89.5%

Fall 2011 Comprehensive Program Review

AU T170	2008	Fall	3	8	2					0	3	16	81.3%	81.3%
AU T170	2009	Win.	3	7	1					0	2	13	84.6%	84.6%
AU T170	2009	Fall	3	9	2					0	6	20	70.0%	70.0%
AU T170	2010	Spr.		4	4	1				0	6	15	53.3%	60.0%
AU T170	2010	Fall		5	9	3				0	4	21	66.7%	81.0%
AU T175	2008	Fall	4	6		1				0	2	13	76.9%	84.6%
AU T180	2009	Win.	2	4						0	6	12	50.0%	50.0%
AU T180	2009	Spr.	3	7	8	2				0	3	23	78.3%	87.0%
AU T180	2010	Win.		7	6					0	3	16	81.3%	81.3%
AU T180	2011	Spr.		7	3	4	2			0	5	21	47.6%	76.2%
AU T210	2008	Fall	5	5	1					0	3	14	78.6%	78.6%
AU T210	2009	Fall	5	12	5					0	4	26	84.6%	84.6%
AU T210	2010	Spr.	2	8	9	3	1			0	1	24	79.2%	95.8%
AU T210	2010	Fall	1	9	4	2				0	5	21	66.7%	76.2%
AU T210	2011	Spr.	1	3	8	3	1			0	4	20	60.0%	80.0%
AU T220	2008	Fall	7	3	1					0	4	15	73.3%	73.3%
AU T220	2009	Fall	1	8	13	2				0	3	27	81.5%	88.9%
AU T220	2010	Fall		12	9	5				0		26	80.8%	100.0%
AU T220	2011	Spr.	2	4	2					0	6	14	57.1%	57.1%
AU T230	2009	Spr.	7	5	7	1				0	2	22	86.4%	90.9%
AU T230	2010	Win.	1	9	2	1				0	3	16	75.0%	81.3%
AU T230	2011	Spr.		6	11	1				0	2	20	85.0%	90.0%
AU T235	2010	Spr.	1	5	6	1				0		13	92.3%	100.0%
AU T250	2010	Spr.		3	8	1				0		12	91.7%	100.0%

Full Time Equivalent Student (FTEs)

Course	Fall			Total	Spr.			Total	Sum.		Total	Win.		Total	Grand Total
	2008	2009	2010		2009	2010	2011		2009	2010		2009	2010		
AU T 070			4.5	4.5						5.2	5.2				9.7
AU T 075	2.0			2.0	4.5			4.5							6.6
AU T 085	2.5		4.0	6.4	1.5		4.1	5.6							12.0
AU T 110	4.6	10.2	4.9	19.7	5.9	5.6	5.6	17.2							36.9
AU T 120						3.0	4.6	7.6							7.6
AU T 125	4.4	5.8	7.6	17.7	8.1	7.3	5.2	20.5							38.3
AU T 130		3.8	3.1	6.9		3.9		3.9				2.5		2.5	13.2
AU T 150		2.6	5.5	8.2	3.9		4.6	8.5							16.7
AU T 155	3.5	5.8	8.1	17.3	4.6	4.7	3.9	13.2							30.6
AU T 160	3.6	2.3		6.0	3.0	3.8	3.1	9.9							15.8
AU T 170	2.4	3.3	3.4	9.1		2.8		2.8				2.3		2.3	14.2
AU T 175	2.3			2.3											2.3
AU T 180					4.0		4.4	8.3				2.3	3.1	5.4	13.7
AU T 210	2.3	4.4	3.5	10.2		3.8	3.3	7.1							17.3
AU T 220	4.0	6.9	6.1	17.0			3.8	3.8							20.8
AU T 230					3.6		3.3	6.9					2.8	2.8	9.7
AU T 235						2.2		2.2							2.2
AU T 250						2.9		2.9							2.9
>>>>	31.5	45.1	50.7	127.4	39.1	40.0	45.8	124.9		5.2	5.2	7.0	5.9	12.9	270.4

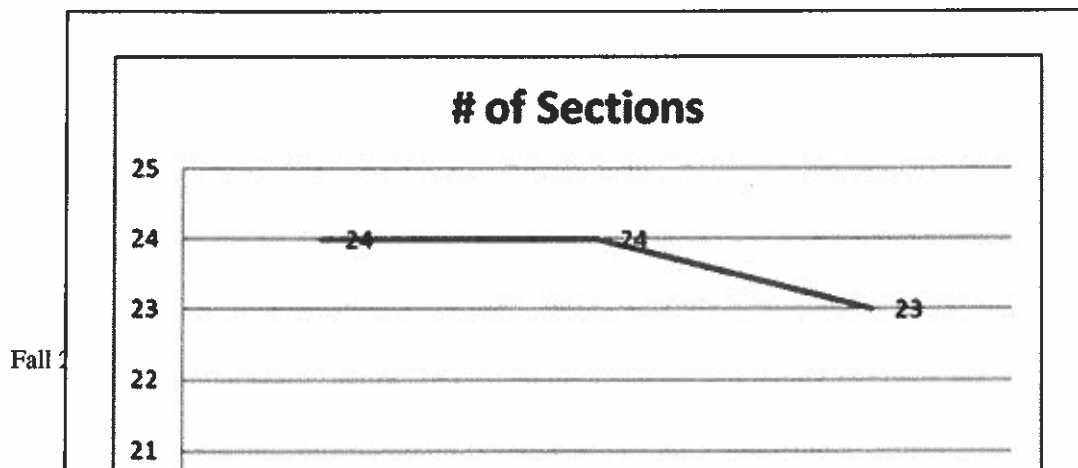
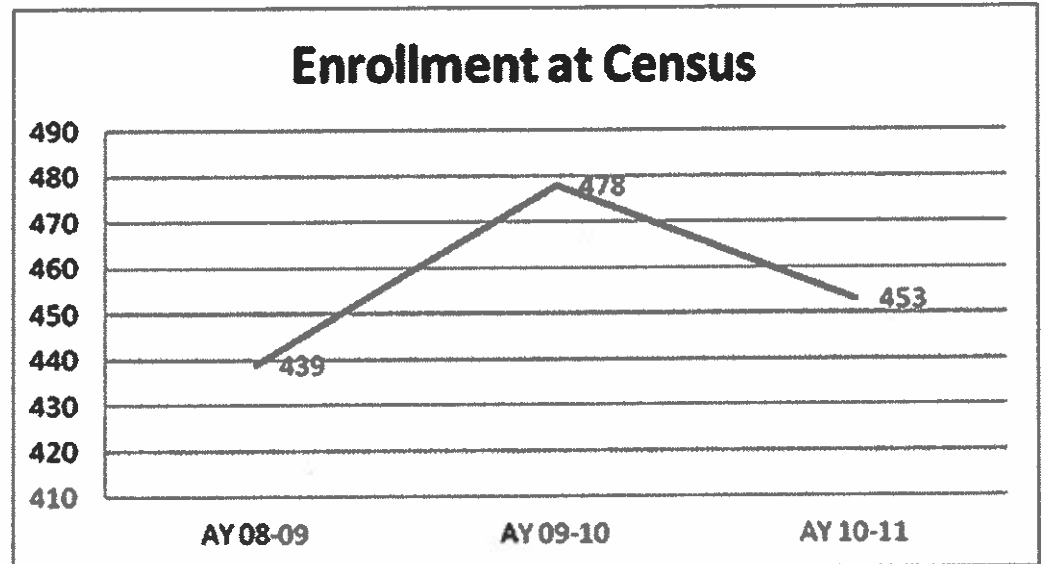
Full Time Equivalent Faculty (FTEf)

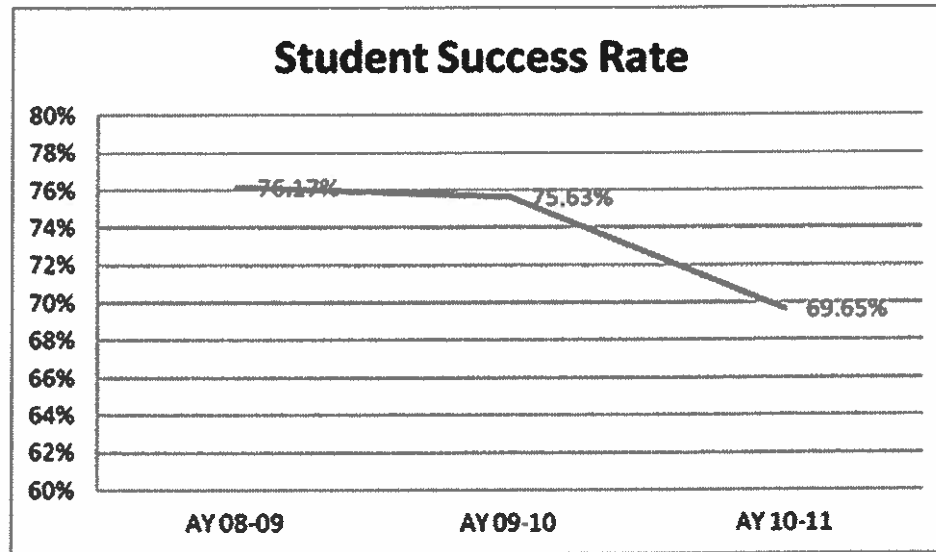
Course	Fall			Total	Spr.			Total	Sum.		Total	Win.		Total	Grand Total
	2008	2009	2010		2009	2010	2011		2009	2010		2009	2010		
AU T 070			0.5	0.5						0.5	0.5				0.9
AU T 075	0.2			0.2	0.4			0.4							0.6
AU T 085	0.3		0.3	0.7	0.3		0.3	0.7							1.3
AU T 110	0.5	1.1	0.5	2.1	0.5	0.5	0.5	1.6							3.7
AU T 120						0.5	0.5	1.1							1.1
AU T 125	0.4	0.4	0.8	1.6	0.8	0.8	0.4	2.0							3.6
AU T 130		0.3	0.3	0.7		0.3		0.3				0.3		0.3	1.3
AU T 150		0.4	0.4	0.8	0.4		0.4	0.8							1.6

AU T 155	0.4	0.4	0.8	1.6	0.4	0.4	0.4	1.2							2.8
AU T 160	0.3	0.3		0.7	0.3	0.3	0.3	1.0							1.7
AU T 170	0.3	0.3	0.3	1.0		0.3		0.3			0.3		0.3		1.7
AU T 175	0.5			0.5											0.5
AU T 180					0.4		0.4	0.8			0.4	0.4	0.8		1.6
AU T 210	0.3	0.3	0.3	1.0		0.3	0.3	0.7							1.7
AU T 220	0.5	0.5	0.5	1.6			0.5	0.5							2.1
AU T 230					0.3		0.3	0.7				0.3	0.3		1.0
AU T 235						0.3		0.3							0.3
AU T 250						0.5		0.5							0.5
>>>>	3.9	4.1	4.9	12.9	3.9	4.5	4.5	12.9		0.5	0.5	1.1	0.7	1.8	28.1

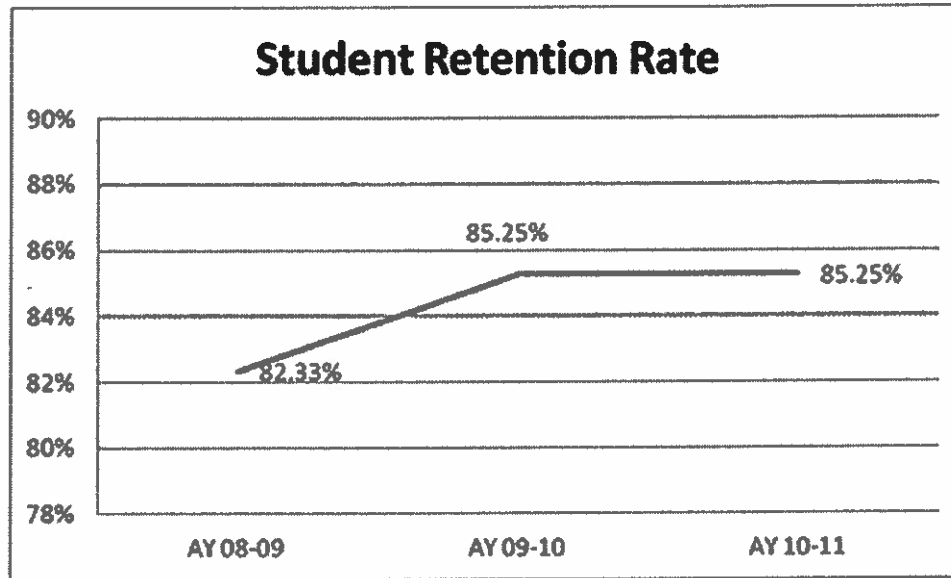
FTEs per FTEf															
Course	Fall			Fall Avg	Spr.			Spr. Avg.	Sum.		Sum. Avg.	Win.		Win. Avg.	Avg.
	2008	2009	2010		2009	2010	2011		2009	2010		2009	2010		
AU T 070			9.7	9.7						11.1	11.1				10.4
AU T 075	10.1			10.1	11.3			11.3							10.9
AU T 085	7.4		11.9	9.6	4.4		12.3	8.4							9.0
AU T 110	8.5	9.6	9.3	9.2	11.1	10.6	10.6	10.7							9.9
AU T 120						5.7	8.5	7.1							7.1
AU T 125	10.9	14.5	9.5	11.1	10.1	9.1	13.0	10.3							10.6
AU T 130		11.4	9.2	10.3		11.6		11.6				7.4		7.4	9.9
AU T 150		6.6	13.9	10.2	9.8		11.4	10.6							10.4
AU T 155	8.6	14.4	10.1	10.8	11.5	11.7	9.8	11.0							10.9
AU T 160	10.9	7.0		9.0	8.9	11.4	9.4	9.9							9.5
AU T 170	7.3	9.9	10.2	9.1		8.5		8.5				6.8		6.8	8.5
AU T 175	4.9			4.9											4.9
AU T 180					10.0		10.9	10.4				5.8	7.7	6.7	8.6
AU T 210	6.9	13.1	10.6	10.2		11.4	9.9	10.7							10.4
AU T 220	7.5	13.0	11.4	10.6			7.0	7.0							9.7
AU T 230					10.9		9.9	10.4					8.4	8.4	9.7
AU T 235						6.5		6.5							6.5
AU T 250						5.5		5.5							5.5
>>>>	8.2	10.9	10.4	9.9	9.9	9.0	10.1	9.7		11.1	11.1	6.6	8.0	7.2	9.6

A graphical analysis of enrollments and section shows a slight decrease in courses from 24 to 23 section in 2010/2011 and enrollment from 478 to 453. This decrease is attributed to the elimination of winter section in 2010/11. However, as the college continues to reduce enrollment, future reduction of enrollment and courses are expected.





The above graph depicts a decrease in Student Success rate in 09-10 to 10-11. In analyzing the individual course records, it is our assessment that the current system of allowing open access to all auto tech courses without pre-requisites allows students to enroll into classes without the basic skill level to succeed. Faculty will be analyzing the course outlines of record to recommend a logical series of courses where students can prepare for this major/certificate in a sequential way with skill sets that reinforce and build from course to course.



3. Present student learning or service area outcomes data that demonstrate the program's continuous educational and/or service quality improvement. Include the following standard information and metrics as well as additional program specific metrics, if any.

List the program level outcomes, goals or objectives and show how these support the Institutional Student Learning Outcomes. Identify the method(s) of assessment used for each of the program level outcomes. Provide a summary of the outcome data for the program, including course and program level data as appropriate.

Course	SLO's	Cycle Assessment Completed	ISLO Linked To
AU T 070	1. Identify the major parts of an automotive brake system. 2. Explain the operating principles of steering systems. 3. Perform fundamental electrical test.	Identified	1. ILO1, ILO3, ILO4 2. ILO1, ILO3, ILO4 3. ILO1, ILO3, ILO4.
AU T 075	1. Identify and locate the most important parts of a vehicle. 2. Identify common automotive handtools. 3. Select the right tool for a given job.	Identified	1. ILO1, ILO4 2. ILO1, ILO3, ILO4 3. ILO1, ILO3, ILO4
AU T 085	1. Explain the interaction of automotive systems. 2. Describe the purpose of the fundamental automotive system. 3. Describe the type of skills needed to be an auto technician.	Identified	1. ILO1, ILO3, ILO4 2. ILO1, ILO3, ILO4 3. ILO1, ILO3, ILO4