ACADEMIC SENATE PROPOSAL TRACKING SHEET

(Document To Be Originated By Academic Senate Secretary On Canary Color Paper)
All proposals MUST have their originating college faculty body (Ex. Arts & Sciences, Education and Nursing;

All proposals MUST have their originating college faculty body (Ex. Arts & Sciences, Education and Nursing; Technical Sciences) approval and must be signed by the submitter and the college dean before being submitted to the Academic Senate Secretary.

- 1. Submit all proposals (using the appropriate Academic Senate program/degree and/or course revision forms) to the Academic Senate Secretary.
- 2. The Academic Senate Secretary logs and numbers items and forwards them to the appropriate Academic Senate subcommittee(s): Teacher Education (if applicable), General Education (if applicable), or Curriculum.
- 3. The Academic Senate subcommittee(s) consider(s) the proposal. If approved, the proposal is forwarded to the next committee. If a committee disapproves the proposal, the originator may request that the item be forwarded to the next body for consideration. The committee will provide written rationale to the originator when a proposal is disapproved and the proposal is returned to the originator.
- 4. The Academic Senate considers the proposal and approves or disapproves. If approved, the proposal is forwarded to the Full Faculty for consideration. If the Academic Senate disapproves the proposal, the originator may request that the item be forwarded to the Full Faculty for consideration. The Academic Senate will provide written rationale to the originator when proposals are disapproved and the proposal is returned to the originator.
- 5. The Full Faculty considers Academic Senate approved proposals. If faculty approve, the proposal will then be forwarded to the Provost. The Provost approves or disapproves the proposal. If approved, the proposal is then forwarded to the Chancellor.
- 7. The Chancellor approves or disapproves the proposal.

Subcommittee and Academic Senate college representatives will notify their respective colleges' of the progress of submitted proposals or the proposal may be tracked via the web page --

of submitted proposals or the propos	sal may be tracked vi	a the web page		
http://www.msun.edu/admin/pro				
Documentation and forms for the cu	-	llso available on the web	page:	
http://www.msun.edu/admin/pro	vost/asforms.htm			
*****(If a proposal is disapproved at any le		ough the Academic Sena	ite secretary to the De	ean of
the submitting college who then noti	fies the originator.)			
Proposal # 06 - 10 Title: (proposal explanation, submitter and college	AUM DE BS.		OCIM MANA	لحا
(proposal explanation, submitted and confeg	,e dean signatures on atta	sonou program degree or esu)
	Date			
Received by ACAD Senate	1/18/07			
Forwarded to Teacher Ed Council		Approved	Disapproved	
		Signature		Date
Forwarded to Gen Ed Committee		Approved	Disapproved	
	2/14/01			Dete
7 . 1. 1017	1/12/17	Signature		Date
Returned to ACAD Senate Forwarded to Curriculum Committee	1/12/07	Approved V	Disapproved	′
	. (Cherisa	To effection	
	Dielo		Thanges noted	Date
Returned to ACAD Senate for Vote	3130T	Approved	Disapproved	1-00
nd uche conventor	1 1	Signature de Arte (C)	A not a	1964e
Sent to Provost's office for Full Faculty vote	2/70/07	THE RESERVE TO SERVE	Duction	Date
Voted on at Full Faculty meeting	37311	Approved IV	Disapproved	
voted on at 1 an Faculty meeting	3 1 1 (e K X Ta	Zlzilo	
	3//	Signature	-1911	Date
Forwarded to Provost for Approval/Disapprov	al 2/20/07	Approved	Disapproved	
11		Jakanin		11/11
	, ,	Signature	7	Date
Forwarded to Chancellor for Approval/Disapp	roval	Approved	Disapproved	
	. /	(XIII)	of the W	
	\/	Signature	Buchan	Date
Copies sent to originating college and		, ,		
registrar's office Updated 09/29/05				

From the Curriculum Committee: Remove the following from the Major Revision sheet for BS Automotive Technology.

'Note- Students must take a total of 14 credits of upper division coursework from the electives or general education core.'

Curriculum Committee members found this note confusing. Removal of statement was voted on and approved.

NEW DROPPED	MAJOR REVISION X	FOR INFORMATION ONLY	<u> </u>	_
College College of Technical Sciences	Program Area Automotive Tech	nology	Date	1/9/06
Submitter Wall E Your Signature		udicates "college" level approval)	Date	1.18-07

Please provide a brief explanation & rationale for the proposed revision(s).

The automotive department is updating the BS curriculum to meet current industry standards regarding ASE certifications and diesel/hybrid technologies.

Please provide in the space below a "before and after" picture of the program with the changes in the program noted. Attach appropriate Course Revision Forms. Please indicate changes by shading the appropriate cells.

Proposal Title: BS Automotive Technology

Current Program Listed in 06-07 Catalog

Course Prefix CATI

CAT II CAT III

CAT V

CAT VI CAT VII

CAT VIII

CAT IX

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257

264 265

383

384

400

115

117

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128

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152

220 251

252

355

408

450 457 Proposed Program for 07-08 Catalog

Course Title	Credits		Course Prefix	Course #	Course Title	Gen. Ed. Credits	Program Credits
ENGL 111 or ENGL 112 AND SPCH 141 OR SPCH 142	6	1	CATI		Communications	6	
MAAS 106 or MATH 110 or MATH 112	3	1	CAT II		Mathematics	3	
Natural Sciences with a Lab	6	1	CAT III		Natural Sciences (one with Lab)	6	
Social Sciences	3	1	CAT IV		Social Sciences	3	
History	3	1	CATV		History	3	
Cultural Diversity	3	1	CAT VI		Cultural Diversity	3	
Fine Arts	3	1	CAT VII		Fine Arts	3	
Humanities	3	1	CAT VIII		Humanities	3	
Technology	3	1	CATIX		Technology	3	
Auto/Diesel Electrical/Electronic Systems I	4	1	ATDI	134	Auto/Diesel Electrical/Electronic Systems I		4
Automatics	4	1	ATDI	257	Automatics		4
Auto/Diesel Electrical/Electronic Systems II	4	1	ATDI	264	Auto/Diesel Electrical/Electronic Systems II		4
Heating and Air Conditioning	4	1	ATDI	265	Heating and Air Conditioning		4
Alternative Automotive Power Systems	4	1	ATDI	383	Alternative Automotive Power Systems		4-
Auto/Diesel Electrical/Electronic Systems III	4	1	ATDI	-384	Auto/Diesel Electrical/Electronic Systems III		4
Shop Procedures*	2	1	ATDI	.400	Shop Procedures*		2
Introduction to Automotive Service	1	1	AUTO	115	Introduction to Automotive Service		1
Automotive Manual Power Trains	4	1	AUTO	117	Automotive Manual Power Trains		4
Automotive Braking Systems	4	1	AUTO	119	Automotive Braking Systems		4
Engines	4	1	AUTO	128	Engines		5
Diagnosis and Tune Up	3	1	AUTO	151	Diagnosis and Tune Up		4
Diagnosis and Tune Up Lab	3	1	1141				
Automotive Steering and Suspension	4	1	AUTO	120	Automotive Steering and Suspension		4
Computerized Engine Control Systems	3	1	AUTO	251	Computerized Engine Control Systems		4
Computerized Engine Control Systems Lab	3	1	1.010				
Automotive Service Operations	3	1	AUTO	. 355	Automotive Service Operations		3.
Current Trends in Mobility Technology	2	1	AUTO	408	Current Trends in Mobility Technology		2
Dynamometer Testing/Computer System Data Analysis	3	1	AUTO	450	Dynamometer Testing and Emission Analysis		3.
Advanced Power Trains	4	1	AUTO	457	Advanced Power Trains		4
Automotive Practicum*	3	1	AUTO	488	Automotive Practicum	 	37)
Selectives or Minor	17	1		, ,,,,,,,	Electives		123
	ATO	14	-AUTO~	2XX	Automotive Diesel & Hybrid Vehicles	<u> </u>	1 3
	7.11.52	1/	AUTO	2XX	ASE Certification 1		1
		1{	AUTO	2XX	ASE Certification II		1
		11	AUTO	479	Cooperative Education		3,
		1 \				 	1 37
		1 `					
		1			Note - Students must take a total of 13 credits of	<u> </u>	
		1			upper division coursework from the electives or		
		1					
<u> </u>		1			general education core.	\vdash	
TOTAL	120	1			TOTAL	33	87
1. + –		_			1		

Additional instructional resources needed (including library materials, special equipment, and facilities).

Please note: approval does not indicate support for new faculty or additional resources.



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			PRO	OGRAM/DE	EG	REE RE	VISION	FORM		
		NEW	DROPPED	M	A.	JOR RE	VISION	X FOR INFORMATION ONLY		
		College of Techn		Pr	og	ram Area	Automotiv	ve Technology	Date	1/9/07
	Su	bmitter <u>Maw</u>	Bridge		Ch	nair/Dean		$A \cdot O V O$	Date	1.18.0
	ou	Dillitter - TOWN	Signature		· · ·	iaii/Deaii	Sig	gnature (indicates 'kollege" level approval)	Date_	1.76.0
	Dloggo n	rouido a briof (explanation & ration	ala far tha	nr	anacad r	ovicion/c			
			•		•	•	•	ه. Justry standards regarding ASE certifica	tions and	
		brid technologie						,		
		•		re and after	ם "	icture of	the prod	gram with the changes in the progran	n noted.	Attach
			•					g the appropriate cells.		
	Pro	oposal Title:	AAS Automot	ive Tech	n	ology				
Cı	urrent l	Program Lis	ted in 06-07 Cat	alog			Pro	pposed Program for 07-08 Cat	alog	
Course Prefix	Course #		Course Title	Credits		Course Prefix	Course #	Course Title	Gen. Ed. Credits	Degree Credits
CATI		ENGL 111 or SPCH 1		3		CATI		Communications	3	
CATII		MAAS 106 or MATH	110 or MATH 112	3		CAT II		Mathematics	3	
CAT IX	134	Technology Auto/Diesel Electrical	/Electronic Cystoms I	3		CAT IX ATDI	134	Technology Auto/Diesel Electrical/Electronic Systems I	3	4
ATDI ATDI	257	Automatics	/Electronic Systems i	4		ATDI	257	Automatics		4
ATDI			/Electronic Systems II	4		ATDI	264	Auto/Diesel Electrical/Electronic Systems II		4
ATDI		Heating and Air Cond	litioning	4		ATDI	265	Heating and Air Conditioning		4
AUTO	115	Introduction to Autom		1	l	AUTO	115	Introduction to Automotive Service		1
AUTO		Automotive Manual P		4		AUTO	117	Automotive Manual Power Trains	L	4
AUTO	119 128	Automotive Braking S Engines	systems	4 4		AUTO	119 128	Automotive Braking Systems Engines	 	5
AUTO	151	Diagnosis and Tune	.ln	3	1	AUTO	151	Diagnosis and Tune Up		4
AUTO	152	Diagnosis and Tune	Up Lab	3	1	7.010	101			
AUTO		Automotive Steering	and Suspension	4	1	AUTO	120	Automotive Steering and Suspension		4
AUTO	_251	Computerized Engine	Control Systems	3		AUTO	251	Computerized Engine Control Systems		4
AUTO	252		Control Systems Lab	3					 	
AUTO BODY	255 140	Applied Service Tech Panel Adjustments a	nd Glass	3 2						
XXX	XXX	Advisor Approved Ele		3	ł	XXX	XXX	Elective		3
700	7001	7,5			1,	- AUTO		Automotive Diesel & Hybrid Vehicles		3
					1	AUTO	279	Cooperative Education		3
					Ш	AUTO	2XX	ASE Certification I		1
					1	AUTO	2XX	ASE Certification II	<u> </u>	1
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TOTAL

53

Additional instructional resources needed (including library materials, special equipment, and facilities).

62

Please note: approval does not indicate support for new faculty or additional resources.

TOTAL

NEW DROPPED	MAJOR REVISION x FOR INFORMATION ONLY	
College College of Technical Sciences	Program Area Automotive Technology	Date 1/9/07
Submitter Walls Bulling	Chair/Dean Signature (indicates "college" level approval)	Date 1.18.07

Please provide a brief explanation & rationale for the proposed revision(s).

The automotive department is updating the certificate to new board of regent credit requirements.

appropriate Course Revision Forms. Please indicate changes by shading the appropriate cells.

Proposal Title: Automotive Technology Certificate of Applied Science

Course Course Course Course Course Course Course Course Prefix Course Prefix Course C	Current Program Listed in 06-07 Catalog			Proposed Program for 07-08 Catalog						
AUTO 115 Introduction to Automotive Service 1 AUTO 117 Automotive Manual Power Trains 4 AUTO 119 Automotive Braking Systems 4 AUTO 119 Automotive Braking Systems 4 AUTO 115 Introduction to Automotive Service 1 AUTO 119 Automotive Braking Systems 4 AUTO 115 Diagnosis and Tune Up 3 AUTO 110 Diagnosis and Tune Up tab 3 AUTO 120 Budginess 5 AUTO 120 Budginess 5 AUTO 120 Automotive Steering and Suspension 4 AUTO 120 Automotive Steering and S		Course #	Course Title	Credits		Course#	Course Title			
AUTO 115 Introduction to Automotive Service 1 AUTO 117 Automotive Manual Power Trains 4 AUTO 119 Automotive Braking Systems 4 AUTO 119 Automotive Braking Systems 4 AUTO 115 Introduction to Automotive Service 1 AUTO 119 Automotive Braking Systems 4 AUTO 115 Diagnosis and Tune Up 3 AUTO 110 Diagnosis and Tune Up tab 3 AUTO 120 Budginess 5 AUTO 120 Budginess 5 AUTO 120 Automotive Steering and Suspension 4 AUTO 120 Automotive Steering and S	ATDI	134	Auto/Diesel Electrical/Electronic System I	4	ATDI	134	Auto/Diesel Electrical/Electronic System I	+	4	
AUTO 119			Introduction to Automotive Service	1	AIDI	265	Heating and Conditioning			
AUTO 128 Engines 4 AUTO 151 Dilagnosis and Tune Up 3 AUTO 152 Dilagnosis and Tune Up Lab 3 BODY 140 Panel adjustments and Class 2 Advisor Approved Elective 3 Choose one (1) course from the following Choice of the Cart 1) 3 SPCH 141 Fundamentals of Speech (CAT 1) 3 SPCH 142 Interpersonal Communication (CAT 1) 3 SPCH 144 Trundamentals of Speech (CAT 1) 3 SPCH 145 Interpersonal Communication (CAT 1) 3 SPCH 146 Trundamentals of Speech (CAT 1) 3 SPCH 147 Interpersonal Communication (CAT 1) 3 SPCH 148 Interpersonal Communication (CAT 1) 3 SPCH 149 Interpersonal Communication (CAT 1) 3 SPCH 140 Interpersonal Communication (CAT 1) 3 SPCH 141 Fundamentals of Speech (CAT 1) 3 SPCH 142 Interpersonal Communication (CAT 1) 3 SPCH 143 Interpersonal Communication (CAT 1) 3 SPCH 144 Interpersonal Communication (CAT 1) 3 SPCH 145 Interpersonal Communication (CAT 1) 3 SPCH 146 Interpersonal Communication (CAT 1) 3 SPCH 147 Interpersonal Communication (CAT 1) 3 SPCH 148 Interpersonal Communication (CAT 1) 3 SPCH 149 Interpersonal Communication (CAT 1) 3 SPCH 140 Interpersonal Communication (CAT 1) 3 SPCH 141 Interpersonal Communication (CAT 1) 3 SPCH 142 Interpersonal Communication (CAT 1) 3 SPCH 145 Interpersonal Communication (CAT 1) 3 SPCH 146 Interpersonal Communication (CAT 1) 3 SPCH 147 Interpersonal Communication (CAT 1) 3 SPCH 148 Interpersonal Communication (CAT 1) 3 SPCH 149 Interpersonal Communication (CAT 1) 3 SPCH 140 Interpersonal Communication (CAT 1) 3 SPCH 141 Interpersonal Communication (CAT 1) 3 SPCH 141 Interpersonal Communication (CAT 1) 3 SPCH 142 Interpersonal Communication (CAT 1) 3 SPCH 141 Interpersonal Communication (CAT 1) 3 SPCH 141 Interpersonal Communication (CAT 1) 3 SPCH 142 Interpersonal Communication (CAT 1) 3 SPCH 141 Interpersonal Communication (CAT 1) 3 SPCH 142 Interpersonal Communication (CAT 1) 3 SPCH 144 Interpersonal Communication (CAT 1) 3 SPCH 14	AUTO	117	Automotive Manual Power Trains	4	AUTO	115	Introduction to Automotive Service		1	
AUTO 151 Diagnosis and Tune Up 3 AUTO 120 Englips 5	AUTO	119	Automotive Braking Systems	4	AUTO	117	Automotive Manual Power Trains	-	4	
AUTO 152 Diagnosis and Tune Up Lab 3 AUTO 128 Engines 5 AUTO 140 Panel adjustments and Glass 2 Advisor Approved Elective 3 Advisor Approved Elective 3 Auto 151 Diagnosis and Tune Up 4 Auto 151 Diagnosis and Tune Up 4 Auto 151 Diagnosis and Tune Up 5 Auto 151 Diagnosis and Tune Up 5 Auto 151 Diagnosis and Tune Up 6 Auto 151 Diagnosis and Tune Up 7 Auto 151 Diagnosis and Tune Up 8 Auto 151 Diagnosis and Tune Up 9 Auto 151 Diagn				4		119			4	
BODY 140 Panel adjustments and Class 2			Diagnosis and Tune Up	3	AUTO				4	
Advisor Approved Elective 3				3			Engines		5	
Choose one (1) course from the following Choose one (1) course from the following SPCH 111 Written Communication I (CAT I) 3 SPCH 141 Fundamentals of Speech (CAT I) 3 SPCH 142 Interpersonal Communication (CAT II) 3 SPCH 143 Interpersonal Communication (CAT II) SPCH	BODY	140	Panel adjustments and Glass	2	AUTO	151	Diagnosis and Tune Up		4	
ENGL 111 Written Communication (CAT) 3			Advisor Approved Elective	3						
ENGL 111 Written Communication (CAT) 3		<u> </u>	Change one (1) course from the following	-	-		Chassa one (1) course from the following	-	 	
SPCH 141 Fundamentals of Speech (CAT I) 3 SPCH 142 Interpersonal Communication (CAT I) 3	ENGL	111		- 2	ENCL	111			\vdash	
SPCH 142 Interpersonal Communication (CAT I) 3		1/1	Fundamentals of Speech (CATI)						\vdash	
TOTAL 31 TOTAL 3 30		142	Internersonal Communication (CAT I)							
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Additional instructional resources needed (including library materials, special equipment, and facilities).

Please note: approval does not indicate support for new faculty or additional resources.

NEW DROPPED	MAJOR REVISION X FOR INFORMATION ONLY					
College TECHNICAL SCIENCES Program Area AUTOMOTIVE TECHNOLOGY Date 11/30/06						
	DeanDate					
Signature	Signature (indicates "college" level approval)					
Please provide a brief	explanation & rationale for the proposed revision(s):					
•	existing lab to enable students to remove/install engines from a school					
vehicle						
Please provide the foll	owing information:					
-	COTS					
0	AUTOMOTIVE					
0	11/30/06					
Course Prefix & No.:	: AUTO 128					
Course Title:	ENGINES					
Credits:	5					
Ci cuito.						
Required by:	Automotive Technology Certificate					
	Automotive Technology A.A.S					
	Automotive Technology B.S.					
	Industrial Technology B.S.					
Selective in:	None					
Elective in:	None					
General Education:	no					
Lecture:						
Lecture/Lab:	X					
Gradable Lab:						
Contact hours lectur						
Contact hours lab:	6					

Current Catalog Description (include all prerequisites):

Overview of the design, operation, diagnosis, and service procedures of modern automotive engines. Students participate in the disassembly and the reassembly of engine units. Service and technical engine data are presented to prepare the students for practical experience in engine servicing. Course fee: \$20

Proposed or New Catalog Description (include all prerequisites):
This course is an overview of the design, operation, diagnosis, and service procedures of modern automotive engines. Students participate in the disassembly and the reassembly of engines. Students will participate in the removal and installation of engines in school vehicles. Service and technical engine data are presented to prepare the students for practical experience in engine service and repair. Course fee: \$20

Course Outcome Objectives:

Students will complete engine performance objectives as required by our current NATEF certification.

NEW DROPPED	MAJOR REVISIONX_ FOR INFORMATION ONI	LY
College COTS	Program Area _Auto	Date 11-29-06
SubmitterSignature	DeanDateDate	
-	ation & rationale for the proposed revision(s): ve curriculum to include hybrid and diesel vehicles v	vith-in the
Please provide the following College: Program Area: Date: Course Prefix & No.:	information: COTS Automotive 11-29-2006 Auto 151	
Course Title: Credits:	Diagnosis and Tune Up	
Required by:	Automotive certificate, AAS, BS, Minor	
Selective in: Elective in: General Education:	none none no	
Lecture: Lecture/Lab: Gradable Lab: Contact hours lecture: Contact hours lab:	X 2 4	

Current Catalog Description (include all prerequisites):

A theory course pertaining to fuel systems, emission control systems, ignition systems, engine mechanical tests, and General Motors Computer Command Control. Proper testing with modern diagnosis equipment will also be discussed. Must be taken with AUTO 152 Lab.

Proposed or New Catalog Description (include all prerequisites):

This course examines the theory and diagnosis of gasoline engines and related systems. These systems include engine mechanical testing, ignition systems, fuel delivery, emission control systems and an introduction to computerized fuel injection systems. Students will use the latest diagnostic equipment available to test and diagnose these systems during the lab. Course Fee: \$20.00

Course Outcome Objectives:

Students will complete engine performance objectives as required by our current NATEF certification.

NEW DROPPED_X_	MAJOR REVISION	_ FOR INFORMATIO	N ONLY	
College COTS	Program Area _Autom	ative	Date 11-29-06	
Submitter	Dean		Date	
Signature	Signature (i	ndicates "college" level approva)	
Please provide a brief explan We are revising the automoti associate degree program.		• • • • • • • • • • • • • • • • • • • •	icles with-in the	
Please provide the following College:	information: COTS			
Program Area:	Automotive			
Date:	11-29-2006			
Course Prefix & No.:	Auto 152			
Course Title:	Diagnosis and Tune Up	Lab		
Credits:	3			
Required by:	Automotive certificate,	AAS, BS, Minor		
Selective in:	none			
Elective in:	none			
General Education:	no			
Lecture:				
Lecture/Lab:				
Gradable Lab:	X			
Contact hours lecture: Contact hours lab:	6			
Contact nours lab.	O .			
Current Catalog Description (include all prerequisites): A lab course pertaining to diagnosis, testing and repair of fuel systems, emission control systems, ignition systems, engine mechanical tests, and General Motors Computer Command Control. Provides training on the proper use of modern diagnosis equipment. Must be taken with AUTO 151. Course Fee: \$20.00				
Proposed or New Catalog Description (include all prerequisites):				
Course Outcome Objective	s:			

NEW DROPPED	MAJOR REVISION_X FOR INFORMATION ON	LY
College COTS	Program Area _Automotive	_ Date_ <u>11-29-06</u>
SubmitterSignature	DeanDate_ Signature (indicates "college" level approval)	
*	ation & rationale for the proposed revision(s): we curriculum to include hybrid and diesel vehicles we	with-in the
Please provide the following	information:	
College:	COTS	
Program Area:	Automotive	
Date:	11-29-2006	
Course Prefix & No.:	Auto 251	
Course Title: Credits:	Computerized Engine Control Systems	
Required by:	Automotive AAS, BS	
Selective in:	none	
Elective in:	none	
General Education:	no	
Lecture: Lecture/Lab: Gradable Lab:	X	
Contact hours lecture: Contact hours lab:	2 4	
Contact nours lan:	+	

Current Catalog Description (include all prerequisites):

Computerized fuel injection and carburetor systems will be covered. Theory of operating and testing General Motors, Ford, Chrysler, Toyota and Bosch computerized systems will be discussed. Must be taken with AUTO 252 Lab. Prerequisites: AUTO 128, AUTO 151 and AUTO 152.

Proposed or New Catalog Description (include all prerequisites):

This course examines the theory and diagnosis of computerized gasoline fuel injected engines. Students will work with the latest diagnostic equipment to test and repair computerized engine control systems on Toyota, Ford, General Motors and Chrysler vehicles. Prerequisites: AUTO 128, AUTO 151, ATDI 134. Course Fee: \$20.00

Course Outcome Objectives:

Students will complete engine performance objectives as required by our current NATEF certification.

NEW DROPPED_X	MAJOR REVISION	_ FOR INFORMATION	ONLY		
College COTS	Program Area _Auton	notive	Date 11-29-06		
Submitter	Dean	I	Date		
Signature	Signature	(indicates "college" level approval)			
Please provide a brief explana We are revising the automotive associate degree program.			cles with-in the		
Please provide the following	information:				
College:	COTS				
Program Area:	Automotive				
Date:	11-29-2006				
Course Prefix & No.:	Auto 252				
Course Title:	Computerized Engine (Control Systems			
Credits:	3	30111101 BJ 0001110			
Required by:	Automotive AAS, BS				
Selective in:	none				
Elective in:	none				
General Education:	no				
Lecture: Lecture/Lab: Gradable Lab: Contact hours lecture: Contact hours lab:	X 6				
Current Catalog Description (include all prerequisites): A practical course dealing with the diagnosis and repair of computerized engine control systems. A student will obtain the necessary hands on training required to use the specialized test equipment to diagnose and repair domestic and foreign systems. Must be taken with AUTO 251. Course Fee: \$20.00 Proposed or New Catalog Description (include all prerequisites): Course Outcome Objectives:					

Additional instructional resources needed (including library materials, special equipment,

and facilities). Please note: approval does not indicate support for new faculty or

Updated 09/29/05

additional resources.

NEW DROPPED_X	MAJOR REVISIO	ON FOR IN	FORMATION ONLY		
College COTS	Program Area	Automotive	Date 11-29-06		
SubmitterSignature	Dean	Signature (indicates "coll	Dateege" level approval)		
Please provide a brief explanation & rationale for the proposed revision(s): We are revising the automotive curriculum to include hybrid and diesel vehicles with-in the associate degree program as well as requiring ASE test certification as recommended by employers and our automotive advisory board					
Please provide the following College: Program Area: Date: Course Prefix & No.:	information: COTS Automotive 11-29-2006 Auto 255				
Course Title: Credits:	Applied Service 3	Technology			
Required by:	Automotive AA	S, BS			
Selective in: Elective in: General Education:	none none no				
Lecture: Lecture/Lab: Gradable Lab: Contact hours lecture: Contact hours lab:	X 6				
Current Catalog Description (include all prerequisites): A practical course dealing with the removal and installation of engines and automatic transmissions on both front and rear wheel drive vehicles. Some live work may be performed regarding tune-up, brakes, electrical, power trains and chassis systems. Prerequisites: ATDI 134, AUTO 117, AUTO 119, AUTO 128, AUTO 151, and AUTO 152.					
Proposed or New Catalog Description (include all prerequisites):					
Course Outcome Objective	s:				

NEW_X DROPPED	MAJOR REVISION FOR INFORMATION (ONLY
College_COTS	Program Area _Automotive	Date <u>11-29-06</u>
Submitter	Dean Da	te
Signature	Signature (indicates "college" level approval)	
Please provide a brief expl	anation & rationale for the proposed revision(s):	
	otive curriculum to include hybrid and diesel vehicle	es with-in the
Please provide the following	ng information:	
College:	COTS	
Program Area:	Automotive	
Date:	11-29-2006	
Course Prefix & No.:	Auto 2XX	
Course Title:	Automotive Diesel and Hybrid Vehicles	
Credits:	3	
Required by:	Automotive AAS, BS	
Selective in:	none	
Elective in:	none	
General Education:	no	
Lecture:		
Lecture/Lab:	X	
Gradable Lab:		
Contact hours lecture:	2	
Contact hours lab:	2	

Current Catalog Description (include all prerequisites):

Proposed or New Catalog Description (include all prerequisites):

This course examines the theory and diagnosis of automotive hybrid systems and automotive diesel engines. Lab activities will be based on Toyota Hybrid systems and General Motors, Ford and Chrysler light duty pick-up diesel engines. Students will use the latest resources and diagnostic equipment available to understand and diagnose these systems. Prerequisite: ATDI 134, AUTO 128 and AUTO 151. Course Fee: \$20.00

Course Outcome Objectives:

Students will complete engine performance objectives as required by our current NATEF certification.

NEW_X_ DROPPED	MAJOR REVISION FOR INFORMATION ONLY			
College COTS	Program Area Automotive Date 11-29-06			
SubmitterSignature	Dean Date Date			
The automotive advisory boa having students ASE certified program requires students to	ation & rationale for the proposed revision(s): rd and automotive employers have stressed the importance of d when they graduate from our automotive program. The T-TEN be ASE certified in at least two areas before they can graduate from a good indicator of how our students are progressing through our			
Please provide the following				
College:	COTS			
Program Area:	Automotive			
Date:	11-29-2006			
Course Prefix & No.:	Auto 2XX			
Course Title:	ASE Certification 1			
Credits:	1			
Required by:	Automotive AAS, BS			
Selective in:	none			
Elective in:	none			
General Education:	no			
Lecture: Lecture/Lab:	X			
Gradable Lab:				
Contact hours lecture:	1			
Contact hours lab:				
Current Catalog Description (include all prerequisites):				
Proposed or New Catalog Description (include all prerequisites):				

Students will prepare for ASE tests in Engine Repair (A1), Brakes (A5), Suspension and Steering (A4) and Manual Drive Train and Axles (A3). At the conclusion of this class students will take their ASE certification tests. Prerequisite AUTO 128, AUTO 151, AUTO 117, AUTO 119, AUTO 120. Lab Fee: \$136.00

AUTO 120. Lab Fee: \$136.00 Course Outcome Objectives:

Students will take their ASE certification tests in the areas under the catalog description.

NEW_X_ DROPPED MAJOR REVISION FOR INFORMATION ONLY				
College COTS	Program Area _Automotive	Date 11-29-06		
SubmitterSignature	DeanDate			
The automotive advisory boahaving students ASE certified program requires students to	ation & rationale for the proposed revision(s): rd and automotive employers have stressed the import d when they graduate from our automotive program. be ASE certified in at least two areas before they can be a good indicator of how our students are progressing	The T-TEN graduate from		
Please provide the following College: Program Area:	information: COTS Automotive			
Date: Course Prefix & No.:	11-29-2006 Auto 2XX			
Course Title: Credits:	ASE Certification 2			
Required by:	Automotive AAS, BS			
Selective in: Elective in: General Education:	none none no			
Lecture: Lecture/Lab: Gradable Lab:	X			
Contact hours lecture: Contact hours lab:	1			

Current Catalog Description (include all prerequisites):

Proposed or New Catalog Description (include all prerequisites):

Students will prepare for ASE tests in Automatic Transmission/Transaxle (A2), Electrical/Electronic Systems (A6), Heating and Air Conditioning (A7) and Engine performance (A8). At the conclusion of this class students will take their ASE certification tests. Prerequisite ATDI 257, ATDI 134, ATDI 264, ATDI 265, AUTO 251. Lab Fee: \$136.00

Course Outcome Objectives:

Students will take their ASE certification tests in the areas under the catalog description.

NEW DROPPED MAJOR REVISION_X FOR INFORMATION ONLY					
College_TECHNICAL_SCIENCES Program Area AUTOMOTIVE TECHNOLOGY Date 11/30/06					
SubmitterSignature	Dean Date Date				
Please provide a brief explanation & rationale for the proposed revision(s): This course description needs to be changed to more accurately portray what is being taught. With the acquisition of our new dynamometer and test equipment this course is able to go into more depth. Please provide the following information:					
College: Program Area: Date: Course Prefix & No.	TECHNICAL SCIENCES AUTOMOTIVE 11/30/06				
Course Title: Credits:	Automotive Service Operations 3				
Required by:	Automotive Technology B.S.				
Selective in: Elective in: General Education:	no				
Lecture: Lecture/Lab: Gradable Lab: Contact hours lectur	X ••: 3				
Contact hours lab:					

Current Catalog Description (include all prerequisites):

A practical course dealing with the removal and installation of engines on front and rear wheel drive vehicles. Students will also gain experience in shop management by figuring efficiency, productivity, estimating, pay scales, and quality control. Prerequisite: Junior standing, ADTI 134, ATDI 264, AUTO 151, AUTO 152, AUTO 251, and AUTO 252

Proposed or New Catalog Description (include all prerequisites):

Lecture course dealing with automotive shop management issues. Students will be exposed to shop management environments and issues including customer relations, parts, work order preparation, shop efficiency, shop productivity, labor guides and flat rate systems. Computerized shop management software will be integrated throughout the course. Prerequisite: Junior standing, ADTI 134, ATDI 264, AUTO 151 and AUTO 251.

Course Outcome Objectives:

NEW DROPPED	MAJOR REVISIO	EVISION FOR INFORMATION ONLY _X			
College_COTS	Program Area	Automotive	Date 11-29-06_		
SubmitterSignature	Dean	Signature (indicates "college" level approval)	ate		
Please provide a brief explanation & rationale for the proposed revision(s): This course description needs to be changed to more accurately portray what is being taught. With the acquisition of our new dynamometer and test equipment this course is able to go into more depth.					
Please provide the following information:					
College:	COTS				
Program Area:	Automotive				
Date:	11-29-2006				
Course Prefix & No.:	Auto 450				
Course Title:	Dynamometer T	esting and Data Analysis			
Credits:	3				
Required by:	Automotive BS				
Selective in:	none				
Elective in:	none				
General Education:	no				
Lecture: Lecture/Lab: Gradable Lab:	X				
Contact hours lecture:	1				
Contact hours lab:	4				

Current Catalog Description (include all prerequisites):

Dynamic testing, analysis and evaluation of internal combustion engines from both, the mechanical and computer system application. Prerequisite: AUTO 251, AUTO 252, ATDI 384, ENGL 112 (can be taken concurrently), SPCH 141, and Senior Standing. Course Fee: \$20.00

Proposed or New Catalog Description (include all prerequisites):

Students in this course will use the dynamometer and other diagnostic equipment to dynamically test and analyze computer controlled emission, fuel delivery and ignition systems. Students will follow manufacturer drive cycles to see what effects that alternative fuels, additives and trouble codes have on drivability, emissions and performance. Prerequisites: AUTO 251, ATDI 383, ATDI 384. Course Fee: \$20.00

Course Outcome Objectives:

Students will understand the ASE L1 certification objectives.