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. Nursing, Technical Sciences, Arts & Sciences, Education) approval and must be signed by the submitter and the college chair/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.

registrar's office

C/data/proposaltracking sheet ACAD 10 10 01

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 --

http://www.msun.edu/admin/provost/asproposals.htm

Chair/Dean of the submitting college who then notifies the originator.)

Documentation and forms for the curriculum process is also available on the web page:

http://www.msun.edu/admin/provost/asforms.htm
***(If a proposal is disapproved at any level, it is returned through the Academic Senate secretary to the

Sinul. Proposal # 03-3 Title: | (proposal explanation, submitter and college chair/dean signatures on attached program/degree or course revision form) Received by ACAD Senate Forwarded to Teacher Ed Council Approved Disapproved Signature Date Forwarded to Gen Ed Committee Approved Disapproved Signature Date Returned to ACAD Senate Forwarded to Curriculum Committee Disapproved Approved Signature Returned to ACAD Senate for Vote Disapproved Sent to Provost's office for Full Faculty vote Voted on at Full Faculty meeting Disapproved Date Forwarded to Provost for Approval/Disapproval Disapproved Forwarded to Chancellor for Approval/Disapproval Disapprove Copies sent to originating college and

	PROGRAM/DEGREE REVISION FORM					
	NEW DROPPED	MAJOR REVISIO	ON FOR INFORMATION	ONLY		
College	College of Technical Sciences	Program Area	Auto Tech BS	Date <u>2-11-04</u>		
	Submittersignature on onginal	Chair/Dean	Date 3-4-	<u>04</u>		
Please provide a brief explanation & rational for the proposed revision(s)						
	Expanding ATDI 383 3 to	4 credits Reduc	ing credits on AUTO 450 4 to 3			

Please provide in the space below a "before & after" picture of the program with the changes in the program noted. Attach appropriate Course Revision Forms. The changes are indicated changes by shading the

			appropriat	e cells.	
	AUTOMO	TIVE	TECHNOLOGY	BACHELOR OF SCIENCE	
Progr	am sheet effective fall 2003 FRESHMAN YEAR		Progra	nm sheet effective fall 2004 FRESHMAN YEAR	
	Courses to be taken Either Semester			Courses to be taken Either Semeste	ar .
CIS	110 Introduction to Computers	3	CIS	110 Introduction to Computers	3
SPCH	141 Fund. of Speech OR	3	ATDI	134 Auto/Dies Electrical/Elctrnc Sys. I	4
SPCH	142 Interpersonal Communication	3			
ENGL	111 Written Communication I	3			
ATDI	134 Auto/Dies Electrical/Elctrnc Sys. I	4			
	Courses to be taken Fall Semester			Courses to be taken Fall Semester	SSNInkija -
AUTO	115 Intro. To Automotive Service	1	ENGL	146	2 3
AUTO	119 Automotive Braking Systems	4	AUTO	115 Intro. To Automotive Service	1
			AUTO	119 Automotive Braking Systems	4
AUTO	151 Diagnosis & Tune-Up	3	AUTO	151 Diagnosis & Tune-Up	3
AUTO	152 Diagnosis & Tune-Up lab	3	AUTO	152 Diagnosis & Tune-Up lab	3
	Courses to be taken Spring Semester			Courses to be taken Spring Semester	
AUTO	117 Auto Manual Power Trains	4	AUTO	117 Auto.Manual Power Trains	4
AUTO	128 Engines	4	AUTO	128 Engines	4
Articol 1	Selective or Minor	3			Side a
			SPCH	141 Fund. of Speech OR	3
			SPCH	142 Interpersonal Communication	
r	SOPHOMORE YEAR			SOPHOMORE YEAR	
Co	ourses to be taken Either Semester		*	Courses to be taken Either Semester	
	Gen Ed Dist (Area C)	3		Gen Ed Dist (Area C)	3
MATH	110 Math for Liberal Arts	4	MATH	110 Math for Liberal Arts	
	OR			OR	3/4
MATH	112 College Algebra	3	MATH	112 College Algebra	
	Courses to be taken Fall Semester			Courses to be taken Fall Semester	
ATDI	257 Automatics	4	ATDI	257 Automatics	4
ATDI	264 Auto/Diesel Elect/Electronic Sys. I	4	ATDI	264 Auto/Diesel Elect/Electronic Sys. I	4
ATDI	265 Heating & Air Conditioning	4	ATDI	265 Heating & Air Conditioning	4
	Selective or Minor	3			
	Courses to be taken Spring Semester			Courses to be taken Spring Semeste	er
AUTO	220 Auto. Steering & Suspension	4	AUTO	220 Auto. Steering & Suspension	4
AUTO	251 Cmptr. Engine Control System	3	AUTO	251 Cmptr. Engine Control System	3
AUTO	252 Cmptr. Engine Control Sys. Lab	3	AUTO	252 Cmptr. Engine Control Sys. Lab	3
	JUNIOR YEAR			JUNIOR YEAR	
	Courses to be taken Either Semester			Courses to be taken Either Semeste	er
ENGL	112 Written Communication I	3	ENGL	112 Written Communication I	3
	Gen Ed Dist (Area A)	3		Gen Ed Dist (Area A)	3
	Gen Ed Dist (Area B)	3		Gen Ed Dist (Area B)	3
	Gen Ed Dist (Area C)	3		Gen Ed Dist (Area C)	3
	•		ATDI	384 Auto/Diesel Electronics Apps.	150,240

	Com	rses to be taken Fall Semester			Co	ourses to be taken Fall Semester	
AUTO		Automotive Service Operations	3	AUTO		Automotive Service Operations	3
ATDI		Alternative Auto. Power Systems	9	7.010	000	7 Additionate del vice operations	٠
ATDI		Shop Procedures	2	ATDI	400	Shop Procedures	2
AID!	700	OR OR	_	AIDI	400	OR	_
		Minor	2			Selective or Minor	2
AUTO	457	Advanced Power Trains	्रे ४ च. 4 `			COLOGIVE OF WILLION	Kar.
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
(Cours	es to be taken Spring Semester		Course	es to b	e taken Spring Semester	
ATDI	384	Auto/Diesel Electronics Apps.	4				
				ATDI	383	Alternative Auto. Power Systems	4
		Selective or Minor	3			Selective or Minor	3
			_			Selective or Minor	3
							•
		SENIOR YEAR				SENIOR YEAR	
	Cours	ses to be taken Either Semester			Col	urses to be taken Either Semester	
AUTO		Automotive Practicum	3	AUTO		Automotive Practicum	3
7.010	700	OR	J	7.010	700	/ Automotive Fracticatii	٥
		Minor	3			Selective or Minor	3
		Gen Ed Dist (Area A)	3			Gen Ed Dist (Area A)	3
		Gen Ed Dist (Area B)	3			Gen Ed Dist (Area B)	3
		OR	· ·			33 La 2 3 3 4 4 4 5 7	Ů
		Minor	3			Selective or Minor	3
			ū			COICCUTO OF WINIOR	Ü
	Cou	rses to be taken Fall Semester			Co	ourses to be taken Fall Semester	
AUTO	408	Current Trends/Mobility Tech.	2	AUTO	408	Current Trends/Mobility Tech.	2
		-		AUTO	457	Advanced Power Trains	4
						Selective or Minor	3
(Cours	es to be taken Spring Semester			Cours	ses to be taken Spring Semester	
AUTO	450	Dyn. Testing/Cmptr Data Analysis	4	AUTO		Dyn. Testing/Cmptr Data Analysis	3
						Elective or Minor	2
			120				
Selectiv	/e Lis	t: 14 credits required		Selecti	ve List	: 14 credits required (at least 5 crs.	
		•		_	_	must be upper division)	
AUTO	479	Cooperative Education	3	AUTO	479	Cooperative Education	3
BODY	140	Panel Adjustment & Glass (F)	2	BODY	140	Panel Adjustment & Glass	2
BODY	143	Refinishing (F)	3	BODY	143	Refinishing	3
BODY	144	Refinishing Lab (F)	3	BODY	144	Refinishing Lab	3
METL	140	Intro/Welding/Cutting F?S)	3	METL	140	Intro/Welding/Cutting	3
ACCT		Prin. Of Accounting I	3	ACCT	261	Prin. Of Accounting I	3
BUS		Business Statistics	3	BUS	250	Business Statistics	3
BUS		Mgmt in Organization	3	BUS	300	Mgmt in Organization	3
TSS		Customer Service	3	TSS	222	Customer Service	3
CIS		Integ. Bus Apps F?S	3	CIS	111	Integ. Bus Apps	3
ENGL	366	Technical Writing/Editing	3	ENGL	366	Technical Writing/Editing	3

PROGRAM/DEGREE REVISION FORM

NEW DROPPE	D MAJOR REVISION X I	FOR INFORMATION ONLY
College College of Technical	Sciences Program Area AutoTec	chnology Minor Date 2-11-04
Submitter	Chair/Dean	Date3-2-04
SI	gnature s	ignature

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

Delete AUTO 408 change credits on ATDI 383 from 3 to 4
Total credit required go from 30 to 29

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

AUTOMOTIVE TECHNOLOGY MINOR

Program sheet effective fall 2003			Program sheet effective fall 2004		
Require	ed Courses		Require	ed Courses	
AUTO	115 Intro. to Automotive Service	1	AUTO	115 Intro. to Automotive Service	1
AUTO	117 Automotive Manual Power Trains	4	AUTO	117 Automotive Manual Power Trains	4
AUTO	151 Diagnosis & Tune Up	3	AUTO	151 Diagnosis & Tune Up	3
AUTO	152 Diagnosis & Tune Up Lab	3	AUTO	152 Diagnosis & Tune Up Lab	3
AUTO	408 Current Trends in Mobility Tech	2			
ATDI	134 Auto/Diesel Elect/Electrn. Sys. I	4	ATDI	134 Auto/Diesel Elect/Electrn. Sys. I	4
ATDI	264 Auto/Diesel Elect/Electrn Sys. II	4	ATDI	264 Auto/Diesel Elect/Electrn Sys. II	4
ATDI	383 Alternative Automotive Power Sys.	3	ATDI	383 Alternative Automotive Power Sys.	4
ATDI	384 Auto/Diesel Electronics Applics.	4	ATDI	384 Auto/Diesel Electronics Applics.	4
ATDI	400 Shop Procedures	2	ATDI	400 Shop Procedures	2
		30			29

COURSE REVISION FORM

NEW	_ DROPPED	MAJOR REVISION	FOR INFORMATION ON	ILY X	
College _	COTS	Program Area A	AUTOMOTIVE	Date	2-11-04
Submitter		Chair/Dean		Date	
	Signature	Sig	gnature (indicates "college" level approval)		

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

We are expanding ATDI 383 from 3 credits to 4 credits. This is necessary to include more lab objectives in this expanding technology area. Lecture credits will remain the same, but the lab will be expanded by one credit.

Please provide the following information: College: College of Technical Sciences

Program Area: Automotive

Date: 2-11-04

Course Prefix & No.: ATDI 383

Course Title: Alternative Automotive Power Systems

Credits: 4

Required by: Automotive Technology Bachelor of Science Degree

Automotive Technology Minor

Selective in: Elective in:

General Education:

Lecture:

Lecture/Lab: X

Contact hours lecture: 2 Contact hours lab: 4

Current Catalog Description (include all prerequisites):

This course examines a variety of alternative power sources used in the automotive transportation industry. Topics covered in the class are compression ignition engine systems, propane & CNG systems, Hybrid electric systems, and electric propulsion systems. Prerequisites: AUTO 128 and ATDI 264.

Proposed or New Catalog Description (include all prerequisites):

This course examines a variety of alternative power sources used in the automotive transportation industry. Topics covered in the class are compression ignition engine systems, propane & CNG systems, Hybrid electric systems, and electric propulsion systems. Prerequisites: AUTO 128 and ATDI 264.

Course Outcome Objectives:

Students will become proficient in the operation, diagnosis and repair of compression ignition engine systems, propane & CNG systems, Hybrid electric systems, and electric propulsion systems.

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

		COURSE REVIS	SION FORM
NEW College	DROPPED COTS		FOR INFORMATION ONLY X TOMOTIVE Date 2-11-04
Submitte	er		
	Signature	Signat	ure (indicates "college" level approval)
We are	going to reduce th	planation & rationale for the credits on AUTO 450 for expand ATDI 383 by on	from 4 to 3. We are taking away one credit
College Program Date:	orovide the follow : College of Tech m Area: Automo 2-11-04 Prefix & No.: A	hnical Sciences otive	•
Course Credits		neter Testing and Computer	er Systems Analysis
Requir	ed by: Automotiv	ve Technology Bachelor o	of Science Degree
Selectiv Electivo Genera			
Contac	e: e/Lab: X t hours lecture: 1 t hours lab: 4	l	

Current Catalog Description (include all prerequisites):

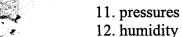
Dynamic testing, analysis and evaluation of internal combustion engines from both, the mechanical and computer system application. Prerequisites: AUTO 251, AUTO 252, ATDI 384, ENGL 112 (can be taken concurrently), SPCH 141, and Senior Standing. Course Fee \$20.00

Proposed or New Catalog Description (include all prerequisites):

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

Course Outcome Objectives:

- A. Introduction
 - 1. code log and curve sheets
 - 2. engine equipment
 - 3. preliminary engine checking procedure
 - 4. precision engine adjustments and settings
 - 5. engine stability
 - 6. torque, speed power
 - i. instrumentation
 - ii. computations
 - 7. spark timing and detonations
 - 8. fuel consumption
 - 9. air consumption
 - 10. temperatures



- B. Standard tests
- C. Engine durability tests
- D. Air-Fuel metering tests
- E. Engine cold tests
- F. Power correction tables and reference materials
- G. Checking lists and tests codes
- H. Equipment calibration tests
- I. Interpretations

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

ACAD course revision form 10-10-2001 rev. 12-12-01