

# 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; 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 --**

**<http://www.msun.edu/admin/provost/asproposals.htm>**

**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 Dean of the submitting college who then notifies the originator.)**

<b>Proposal #</b> <u>06-10</u>	<b>Title:</b> <u>Automotive BS, AAS, + cont- Program Changes</u>
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(proposal explanation, submitter and college dean signatures on attached program/degree or course revision form)

Received by ACAD Senate Forwarded to Teacher Ed Council	Date <u>1/18/07</u>	Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> <hr/> Signature _____ Date _____ Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> <hr/> Signature _____ Date _____
Forwarded to Gen Ed Committee	<u>2/14/07</u> <u>1/18/07</u>	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> <hr/> Signature <u>Cherise Reese</u> Date _____ Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> <hr/> Signature _____ Date _____
Returned to ACAD Senate Forwarded to Curriculum Committee	<u>1/18/07</u> <u>1/18/07</u>	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> <hr/> Signature _____ Date _____ Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> <hr/> Signature _____ Date <u>2/15/07</u>
Returned to ACAD Senate for Vote <u>W/ note attached</u>	<u>2/15/07</u>	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> <hr/> Signature _____ Date _____ Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> <hr/> Signature _____ Date <u>2/15/07</u>
Sent to Provost's office for Full Faculty vote Voted on at Full Faculty meeting	<u>2/20/07</u> <u>2/27/07</u>	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> <hr/> Signature _____ Date <u>2/27/07</u> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> <hr/> Signature _____ Date _____
Forwarded to Provost for Approval/Disapproval	<u>3/20/07</u>	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> <hr/> Signature _____ Date <u>3/20/07</u> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> <hr/> Signature _____ Date _____
Forwarded to Chancellor for Approval/Disapproval	_____	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/> <hr/> Signature _____ Date _____ Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> <hr/> Signature _____ Date _____
Copies sent to originating college and registrar's office Updated 09/29/05	<u>X</u>	

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.







## COURSE REVISION FORM

NEW \_\_\_\_\_ DROPPED \_\_\_\_\_ MAJOR REVISION X FOR INFORMATION ONLY \_\_\_\_\_

College TECHNICAL SCIENCES Program Area AUTOMOTIVE TECHNOLOGY Date 11/30/06

Submitter \_\_\_\_\_ Dean \_\_\_\_\_ Date \_\_\_\_\_  
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):  
Adding 1 lab credit to existing lab to enable students to remove/install engines from a school vehicle

Please provide the following information:

**College:** COTS  
**Program Area:** AUTOMOTIVE  
**Date:** 11/30/06  
**Course Prefix & No.:** AUTO 128

**Course Title:** ENGINES  
**Credits:** 5

**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 lecture:** 2  
**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.

**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 REVISION FORM

NEW \_\_\_\_\_ DROPPED \_\_\_\_\_ MAJOR REVISION \_\_\_X\_\_\_ FOR INFORMATION ONLY \_\_\_\_\_

College COTS \_\_\_\_\_ Program Area Auto \_\_\_\_\_ Date 11-29-06.

Submitter \_\_\_\_\_ Dean \_\_\_\_\_ Date \_\_\_\_\_  
Signature Signature (indicates "college" 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.

Please provide the following information:

**College:** COTS  
**Program Area:** Automotive  
**Date:** 11-29-2006  
**Course Prefix & No.:** Auto 151

**Course Title:** Diagnosis and Tune Up  
**Credits:** 4

**Required by:** Automotive certificate, AAS, BS, Minor

**Selective in:** none  
**Elective in:** none  
**General Education:** no

**Lecture:**  
**Lecture/Lab:** X  
**Gradable Lab:**  
**Contact hours lecture:** 2  
**Contact hours lab:** 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.

**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 REVISION FORM

NEW \_\_\_\_\_ DROPPED X MAJOR REVISION \_\_\_\_\_ FOR INFORMATION ONLY \_\_\_\_\_

College COTS Program Area Automotive Date 11-29-06

Submitter \_\_\_\_\_ Dean \_\_\_\_\_ Date \_\_\_\_\_  
Signature Signature (indicates "college" 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.

Please provide the following information:

**College:** 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

**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 Objectives:**

**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 REVISION FORM

NEW \_\_\_\_\_ DROPPED \_\_\_\_\_ MAJOR REVISION X FOR INFORMATION ONLY \_\_\_\_\_

College COTS Program Area Automotive Date 11-29-06

Submitter \_\_\_\_\_ Dean \_\_\_\_\_ Date \_\_\_\_\_  
Signature Signature (indicates "college" 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.

Please provide the following information:

**College:** COTS  
**Program Area:** Automotive  
**Date:** 11-29-2006  
**Course Prefix & No.:** Auto 251

**Course Title:** Computerized Engine Control Systems  
**Credits:** ~~X~~ 4

**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:** 4

**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.

**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 REVISION FORM

NEW \_\_\_\_\_ DROPPED  MAJOR REVISION \_\_\_\_\_ FOR INFORMATION ONLY \_\_\_\_\_

College COTS Program Area Automotive Date 11-29-06

Submitter \_\_\_\_\_ Dean \_\_\_\_\_ Date \_\_\_\_\_  
Signature Signature (indicates "college" 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.

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

**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:** 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 additional resources.**

## COURSE REVISION FORM

NEW \_\_\_\_\_ DROPPED  MAJOR REVISION \_\_\_\_\_ FOR INFORMATION ONLY \_\_\_\_\_

College COTS Program Area Automotive Date 11-29-06

Submitter \_\_\_\_\_ Dean \_\_\_\_\_ Date \_\_\_\_\_  
Signature Signature (indicates "college" 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 information:

**College:** COTS

**Program Area:** Automotive

**Date:** 11-29-2006

**Course Prefix & No.:** Auto 255

**Course Title:** Applied Service Technology

**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:**

**Contact hours lab:** 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 Objectives:**

**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 REVISION FORM

NEW X DROPPED \_\_\_\_\_ MAJOR REVISION \_\_\_\_\_ FOR INFORMATION ONLY \_\_\_\_\_

College COTS Program Area Automotive Date 11-29-06

Submitter \_\_\_\_\_ Dean \_\_\_\_\_ Date \_\_\_\_\_  
Signature Signature (indicates "college" 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.

Please provide the following information:

**College:** COTS  
**Program Area:** Automotive  
**Date:** 11-29-2006  
**Course Prefix & No.:** ~~Auto~~ 2XX  
ATDI  
**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.

**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 REVISION FORM

NEW X DROPPED \_\_\_\_\_ MAJOR REVISION \_\_\_\_\_ FOR INFORMATION ONLY \_\_\_\_\_

College COTS Program Area Automotive Date 11-29-06

Submitter \_\_\_\_\_ Dean \_\_\_\_\_ Date \_\_\_\_\_  
Signature Signature (indicates "college" level approval)

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

The automotive advisory board and automotive employers have stressed the importance of having students ASE certified when they graduate from our automotive program. The T-TEN program requires students to be ASE certified in at least two areas before they can graduate from the T-TEN program. It is also a good indicator of how our students are progressing through our program.

Please provide the following information:

**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:** X  
**Lecture/Lab:**  
**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

**Course Outcome Objectives:**

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

**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 REVISION FORM

NEW  DROPPED  MAJOR REVISION  FOR INFORMATION ONLY

College COTS Program Area Automotive Date 11-29-06

Submitter \_\_\_\_\_ Dean \_\_\_\_\_ Date \_\_\_\_\_  
Signature Signature (indicates "college" level approval)

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

The automotive advisory board and automotive employers have stressed the importance of having students ASE certified when they graduate from our automotive program. The T-TEN program requires students to be ASE certified in at least two areas before they can graduate from the T-TEN program. It is also a good indicator of how our students are progressing through our program.

Please provide the following information:

**College:** COTS  
**Program Area:** Automotive  
**Date:** 11-29-2006  
**Course Prefix & No.:** Auto 2XX  
  
**Course Title:** ASE Certification 2  
**Credits:** 1  
  
**Required by:** Automotive AAS, BS  
  
**Selective in:** none  
**Elective in:** none  
**General Education:** no  
  
**Lecture:** X  
**Lecture/Lab:**  
**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 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.

**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 REVISION FORM

NEW \_\_\_\_\_ DROPPED \_\_\_\_\_ MAJOR REVISION X FOR INFORMATION ONLY \_\_\_\_\_

College TECHNICAL SCIENCES Program Area AUTOMOTIVE TECHNOLOGY Date 11/30/06

Submitter \_\_\_\_\_ Dean \_\_\_\_\_ Date \_\_\_\_\_  
Signature Signature (indicates "college" level approval)

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:** TECHNICAL SCIENCES

**Program Area:** AUTOMOTIVE

**Date:** 11/30/06

**Course Prefix & No.:** AUTO 355

**Course Title:** Automotive Service Operations

**Credits:** 3

**Required by:** Automotive Technology B.S.

**Selective in:**

**Elective in:**

**General Education:** no

**Lecture:** X

**Lecture/Lab:**

**Gradable Lab:**

**Contact hours lecture:** 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:**

**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 REVISION FORM

NEW \_\_\_\_\_ DROPPED \_\_\_\_\_ MAJOR REVISION \_\_\_\_\_ FOR INFORMATION ONLY X \_\_\_\_\_

College COTS \_\_\_\_\_ Program Area Automotive \_\_\_\_\_ Date 11-29-06 \_\_\_\_\_

Submitter \_\_\_\_\_ Dean \_\_\_\_\_ Date \_\_\_\_\_  
Signature Signature (indicates "college" level approval)

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 Testing and Data Analysis  
**Credits:** 3

**Required by:** Automotive BS

**Selective in:** none  
**Elective in:** none  
**General Education:** no

**Lecture:**  
**Lecture/Lab:** X  
**Gradable Lab:**  
**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.

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