

# AUTO 301: AUTOMOTIVE TERMINOLOGY

---

**Originator**

dredman

**Co-Contributor(s)****Name(s)**

Anderson, Dorothy

**Justification / Rationale**

The Automotive Faculty are reviewing and/or updating this course to assure compliance with local, State, and Federal regulations; support consistency within the curriculum; practice relevance regarding automotive industry and community; and to make improvements that will strengthen the learning environment this course creates thus benefiting the learners.

**Effective Term**

Fall 2022

**Credit Status**

Noncredit

**Subject**

AUTO - Automotive Technology

**Course Number**

301

**Full Course Title**

Automotive Terminology

**Short Title**

AUTO TERM

**Discipline****Disciplines List**

Automotive Technology

**Modality**

Face-to-Face  
100% Online

**Catalog Description**

This course provides an introductory level explanation of the major automotive system components, and a brief description of component function. This course includes engine, transmission, suspension, steering, braking, heating and air conditioning, emissions, computer control, and exhaust systems. This course is designed to prepare learners for entry-level employment in the automotive field of parts.

**Schedule Description**

This class provides lecture activities pertaining to major system components of the automobile including components of the engine, transmission, suspension, steering, braking, heating and air conditioning, emissions, computer control systems, and exhaust systems. Advisory: ESLN 310D

**Non-credit Hours**

16

**Lecture Units**

0

**Lab Units**

0

**In-class Hours**

012

**Out-of-class Hours**

04

**Total Course Units**

0

**Total Semester Hours**

0

**Override Description**

non-credit

**Prerequisite Course(s)**

Advisory: ESLN 310D

**Required Text and Other Instructional Materials****Resource Type**

Web/Other

**Open Educational Resource**

No

**Year**

2021

**Description**

Instructor supplied handouts.

---

**Class Size Maximum**

35

**Entrance Skills**

Basic English language skills.

**Requisite Course Objectives**

ESLN 310D-Discuss familiar words and phrases in context which appear in educational materials and articles about familiar topics.

---

**Entrance Skills**

Basic writing skills.

**Requisite Course Objectives**

ESLN 310D-Write a clear topic sentence and supporting details in an academic paragraph.

---

**Course Content**

Course objective is to enable learners to correctly identify and describe system components by visual inspection, and by customer description in the following systems: engine, automatic transmissions, manual transmissions, suspension and steering, braking, heating, ventilation and air conditioning (HVAC), emission control, and computer control.

**Course Objectives**

	Objectives
Objective 1	Identify major automotive components.
Objective 2	Provide a brief functional description of major components.

### Student Learning Outcomes

**Upon satisfactory completion of this course, students will be able to:**

- |           |  |
|-----------|--|
| Outcome 1 | Identify automotive components and match them with the appropriate system. |
| Outcome 2 | Match generic automotive component names with appropriate parts.           |

### Methods of Instruction

Method	Please provide a description or examples of how each instructional method will be used in this course.
Demonstration, Repetition/Practice	Successful identification of automotive parts through repetition and study.
Role Playing	A scenario where a customer is requesting a part from a parts specialist.
Participation	Provide feedback during discussions and active involvement in assignments.
Discussion	Respectfully contribute and ask questions during discussions.

### Methods of Evaluation

Method	Please provide a description or examples of how each evaluation method will be used in this course.	Type of Assignment
Written homework	As assigned after each session.	In and Out of Class
Oral and practical examination	Successful completion of oral exam of automotive part names.	In Class Only
Student participation/contribution	Respectful, active participation in activities and discussions.	In Class Only
Group activity participation/observation	Respectful, active interaction in group projects.	In and Out of Class
Presentations/student demonstration observations	Prepared presentations on automotive part identification.	In and Out of Class

### Assignments

#### Other In-class Assignments

Assignments may include:

1. End of class notebook including lecture notes, handout, projects
2. Presentation.
3. Role play and interaction between fellow students and or instructor
4. Participation in discussion related to topic of lecture.
5. Discussion of vehicle components.

#### Other Out-of-class Assignments

1. Assigned readings and written summaries from selected instructor handouts.
2. Written summaries and analysis of assigned websites/research information.
3. Must complete an assigned project pertaining to automotive parts.

#### Grade Methods

Pass/No Pass Only

### Distance Education Checklist

#### Instructional Materials and Resources

**If you use any other technologies in addition to the college LMS, what other technologies will you use and how are you ensuring student data security?**

Outside the LMS correspondence will only be through College email and Zoom.

**If used, explain how specific materials and resources outside the LMS will be used to enhance student learning.**

Interaction between instructor and learner will help to enhance learning and understanding of subject material.

## Effective Student/Faculty Contact

Which of the following methods of regular, timely, and effective student/faculty contact will be used in this course?

### Within Course Management System:

Discussion forums with substantive instructor participation  
Online quizzes and examinations  
Regular virtual office hours  
Timely feedback and return of student work as specified in the syllabus  
Weekly announcements

### External to Course Management System:

Direct e-mail  
Synchronous audio/video

### Briefly discuss how the selected strategies above will be used to maintain Regular Effective Contact in the course.

Regular effective contact will be practiced through online lecture, discussion board postings, email communications, regular announcements, prompt grading and feedback of assignments, and virtual office hours. This contact between the facilitator and learner on a regular basis will enhance learner confidence and understanding and promote critical thinking and analyzation of subject matter.

### If interacting with students outside the LMS, explain how additional interactions with students outside the LMS will enhance student learning.

Interaction between instructor and learner will help to enhance learning and understanding of subject material.

## Other Information

### Provide any other relevant information that will help the Curriculum Committee assess the viability of offering this course in an online or hybrid modality.

With the uncertainty of the teaching environment, enabling the lecture portion of this course to be delivered in an online setting, while keeping the hands-on portion face-to-face, will ensure learners can access needed training to ensure knowledge and experience is achieved to gain employment in the automotive field.

## MIS Course Data

### CIP Code

47.0614 - Alternative Fuel Vehicle Technology/Technician.

### TOP Code

094800 - Automotive Technology

### SAM Code

D - Possibly Occupational

### Basic Skills Status

Not Basic Skills

### Prior College Level

Not applicable

### Cooperative Work Experience

Not a Coop Course

### Course Classification Status

Workforce Prep Enhanced Funding

### Approved Special Class

Not special class

### Noncredit Category

Workforce Preparation

**Program Status**

Program Applicable

**Transfer Status**

Not transferable

**Allow Audit**

No

**Repeatability**

Yes

**Repeatability Limit**

NC

**Repeat Type**

Noncredit

**Justification**

Non-credit

**Materials Fee**

No

**Additional Fees?**

No

**Approvals****Curriculum Committee Approval Date**

03/17/2022

**Academic Senate Approval Date**

03/24/2022

**Board of Trustees Approval Date**

04/22/2022

**Chancellor's Office Approval Date**

03/23/2017

**Course Control Number**

CCC000581665

**Programs referencing this course**Automotive Terminology Certificate of Completion (<http://catalog.collegeofthedesert.eduundefined/?key=174>)