

Course Outline of Record

1. Course Code: AUTO-310
2.
 - a. Long Course Title: Automotive Components
 - b. Short Course Title: AUTO PARTS
3.
 - a. Catalog Course Description:

This course provides lecture activities pertaining to eight 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.
 - b. Class Schedule Course Description:

This class provides an introductory level explanation of the major automotive system components, and a brief description of component function. This course is designed to prepare students for entry-level employment in the automotive field of parts/parts distribution.
 - c. Semester Cycle (if applicable): *N/A*
 - d. Name of Approved Program(s):
 - AUTOMOTIVE TERMINOLOGY Certificate of Completion
4. Total Units: 0 Total Semester Hrs: 16.00
 Lecture Units: 0 Semester Lecture Hrs: 12.00
 Lab Units: 0 Semester Lab Hrs: 4.00
 Class Size Maximum: 26 Allow Audit: Yes
 Repeatability Noncredit - Unlimited
 Justification 0
5. Prerequisite or Corequisite Courses or Advisories:

Course with requisite(s) and/or advisory is required to complete Content Review Matrix (CCForm I-A)

 Advisory: AUTO 301
 Advisory: ESLN 310A
6. Textbooks, Required Reading or Software: *(List in APA or MLA format.) N/A*
7. Entrance Skills: *Before entering the course students must be able:*
 - a.

Students must be able to speak and read basic English.

 - ESLN 310A - Comprehend simple statements and questions in the simple present tense, the present continuous tense and the simple past tense of the verb 'be' using previously studied vocabulary
 - ESLN 310A - Use simple statements and questions in the simple present tense, the present continuous tense and the simple past tense of the verb 'be' using previously studied vocabulary
 - b.

Provide a description of major components.

 - AUTO 301 - Provide a brief description pertaining to major components.
8. Course Content and Scope:

Lecture:

Student Learning Objective:

At the conclusion of this course, students will have gained the knowledge of correctly identifying major automotive components in areas:

1. Engine
2. Automatic Transmissions
3. Manual transmissions
4. Suspension and steering
5. Automotive braking
6. Automotive Heating, Ventilation and Air conditioning systems (HACV)
7. Automotive Emission control systems
8. Automotive computer control systems

Lab: (if the "Lab Hours" is greater than zero this is required)

Correctly identify and describe system components by visual inspection, and by customer description.

9. Course Student Learning Outcomes:

1.

Correctly identify and describe system components by visual inspection, and by customer description.

10. Course Objectives: *Upon completion of this course, students will be able to:*

- a. Identify major automotive components in all eight major systems -Engine -Automatic Transmission -Manual Transmission -Suspension and Steering -Braking -Heating, Ventilation and Air Conditioning -Computer Controls

11. Methods of Instruction: *(Integration: Elements should validate parallel course outline elements)*

- a. Activity
- b. Demonstration, Repetition/Practice
- c. Discussion
- d. Distance Education
- e. Individualized Study
- f. Laboratory
- g. Lecture
- h. Observation
- i. Participation
- j. Role Playing

12. Assignments: *(List samples of specific activities/assignments students are expected to complete both in and outside of class.)*

In Class Hours: 16.00

Outside Class Hours: 24.00

a. Out-of-class Assignments

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 a course project.
4. Students must keep a notebook of all course materials including homework, class notes, handouts, and class project and team activities. The notebook must be organized including in-class notes, handouts and extra-credit assignments.

b. 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

13. Methods of Evaluating Student Progress: *The student will demonstrate proficiency by:*

- College level or pre-collegiate essays
- Written homework
- Term or research papers
- Self-paced testing
- Laboratory projects
- Presentations/student demonstration observations
- Group activity participation/observation
- Product/project development evaluation
- True/false/multiple choice examinations
- Mid-term and final evaluations
- Student preparation
- Oral and practical examination

14. Methods of Evaluating: Additional Assessment Information:

15. Need/Purpose/Rationale -- *All courses must meet one or more CCC missions.*

IO - Personal and Professional Development

Develop realistic goals.

PO-SSS Self-Awareness, Self-Understanding, and Self-Advocacy

Evaluate their knowledge, skills, and abilities.

Develop realistic goals.

Teach the people around them.

16. Comparable Transfer Course

University System	Campus	Course Number	Course Title	Catalog Year
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17. Special Materials and/or Equipment Required of Students:

18. Materials Fees: Required Material?

Material or Item	Cost Per Unit	Total Cost
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19. Provide Reasons for the Substantial Modifications or New Course:

This course is a part of the AEBG - non credit.

- 20. a. Cross-Listed Course (*Enter Course Code*): *N/A*
- b. Replacement Course (*Enter original Course Code*): *N/A*

21. Grading Method (*choose one*): Pass/No Pass Only

22. MIS Course Data Elements

- a. Course Control Number [CB00]: CCC000581667
- b. T.O.P. Code [CB03]: 94800.00 - Automotive Technology
- c. Credit Status [CB04]: N - Noncredit
- d. Course Transfer Status [CB05]: C = Non-Transferable
- e. Basic Skills Status [CB08]: 2N = Not basic skills course

AUTO 310-Automotive Components

- f. Vocational Status [CB09]: Possibly Occupational
- g. Course Classification [CB11]: J - Workforce Preparation Enhanced Funding
- h. Special Class Status [CB13]: N - Not Special
- i. Course CAN Code [CB14]: N/A
- j. Course Prior to College Level [CB21]: Y = Not Applicable
- k. Course Noncredit Category [CB22]: J - Workforce Preparation
- l. Funding Agency Category [CB23]: Y = Not Applicable
- m. Program Status [CB24]: 1 = Program Applicable

Name of Approved Program (if program-applicable): AUTOMOTIVE TERMINOLOGY

Attach listings of Degree and/or Certificate Programs showing this course as a required or a restricted elective.)

23. Enrollment - Estimate Enrollment

First Year: 40

Third Year: 120

24. Resources - Faculty - Discipline and Other Qualifications:

a. Sufficient Faculty Resources: Yes

b. If No, list number of FTE needed to offer this course: N/A

25. Additional Equipment and/or Supplies Needed and Source of Funding.

N/A

26. Additional Construction or Modification of Existing Classroom Space Needed. (Explain:)

N/A

27. FOR NEW OR SUBSTANTIALLY MODIFIED COURSES

Library and/or Learning Resources Present in the Collection are Sufficient to Meet the Need of the Students Enrolled in the Course: Yes

28. Originator Dorothy Anderson Origination Date 08/04/16