

CUYAMACA COLLEGE
COURSE OUTLINE OF RECORD

AUTOMOTIVE TECHNOLOGY 215 – FORD ASSET–WORK EXPERIENCE

75 hours paid work experience per unit, 1-4 units

Catalog Description

Ford ASSET work experience. Students are responsible for attaining sponsoring dealership employment before enrollment in the work experience course. This course is based on paid work experience at the sponsoring Ford dealership. Assessment of students will be performed by the ASSET Instructor with dealership personnel, including the lead technicians, shop foreman, service manager, and through student self-evaluation reflections. Students are expected to work in the content area of diagnosis and repair concurrent with the content area of instruction in order to further develop skills attained in the classroom setting. Ford certifications will not be attained without documentation completed and signed by the student and evaluators in the work experience record book. Each student is required to use a digital portfolio to document competencies and ASE tasks. *Occupational cooperative work experience credit may accrue at the rate of one to eight units per semester for a total of twelve – sixteen units, and students must work 75 paid hours per unit earned.*

Prerequisite

None

Course Content

Work experience is required during the semester length work experience class. One credit hour is earned for 75 hours of paid work experience.

Course Objectives

Students will be able to:

- 1) Independently demonstrate standardized safety and hazardous waste handling practices.
- 2) Independently apply technical information and skill sets learned from instructional content to the actual work environment.
- 3) Develop the ability to work effectively with other technicians in the actual work environment.
- 4) Prepare for eventual full-time placement in the sponsoring Ford dealership.
- 5) Utilize manufacturer's repair information and technical service bulletins for accurate diagnosis and repair.
- 6) Demonstrate the ability to document the SSCC symptom, system, component, and cause process for warranty.
- 7) Complete specialization competencies and associated ASE tasks.
- 8) Develop a digital resume portfolio for wage progression and employment.

Method of Evaluation

A grading system will be established by the instructor and implemented uniformly. Grades will be based on demonstrated proficiency in subject matter determined by multiple measurements for evaluation, one of which must be performance projects which include: writing skills, demonstrations, and required recorded diagnosis and repairs using electronic technologies.

- 1) Evaluation of hands-on work performance that measures students' ability to safely identify necessary action or repair, diagnose and measure vehicle systems, and perform necessary tasks related to vehicle repair.
- 2) Mentor technician evaluation of students' progress while working on necessary tasks relating to diagnosis, replacement, repair, testing, and service of vehicle systems and components.

- 3) Skills-based summative assessment measuring the students' ability to successfully complete the required tasks related to diagnosis, replacement, repair, testing, and service of vehicle systems and components.
- 4) Observation of students' performance in areas of attitude, skill development, absenteeism, and quality of work will be assessed by appropriate Ford dealership personnel in conjunction with ASSET coordinator based on site visits during each work experience session.

Special Materials Required of Student

- 1) Mechanic's basic hand tool set
- 2) Approved safety glasses
- 3) Access to a computer or electronic communications device
- 4) Appropriate safe work clothes if required by the dealership

Minimum Instructional Facilities

- 1) Automotive repair dealership
- 2) Instructional technologies provided by the College

Method of Instruction

- 1) Individual assistance by lead dealership personnel
- 2) Interview discussions with ASSET coordinator
- 3) Web based conferencing
- 4) Evaluation forms to be completed by lead dealership personnel
- 5) Record book of required assigned diagnosis and repair tasks
- 6) Performance projects

Out-of-Class Assignments

Not applicable; this is a credit course for working in a related industry in automotive repair

Texts and References

- 1) Required (representative example): Various repair manuals and technical references provided by vehicle manufacturer
- 2) Supplemental:
 - a. Ford web-based learning modules
 - b. Electronic student record book containing a record of completed tasks and evaluation forms is required to be signed by the student, service manager, lead technician, and instructor at the beginning and end of each semester.

Student Learning Outcomes

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

- 1) Demonstrate knowledge and skills of assigned ASE competences.
- 2) Document each task in a portfolio of recorded work experience criteria.
- 3) Communicate effectively both verbally and in writing regarding various customer concerns about automotive systems.
- 4) Comply with environmental and safety standards at the federal and state levels.