

NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
AUT 285 – AUTOMOTIVE SERVICE AND PRACTICAL APPLICATIONS CAPSTONE (4 CR.)

Course Description

Provides practice with technical and workplace skills in an automotive shop environment where diagnosis, repair, quality control, and service learning come together. Lecture 3 hours. Laboratory 3 hours. Total 6 hours per week.

General Course Purpose

This capstone experience provides service learning using standard automotive shop practice. As a result of student participation in this course, student workplace competencies will increase, the capacity of community organizations to serve others will increase, and low-income populations will be served.

Course Prerequisites/Corequisites

Prerequisites: AUT 100, AUT 111, AUT 241 and AUT 265 Additional coursework or prior experience is helpful in this course.

Course Objectives

Upon completing the course, the student be able to:

- Have practiced live shop processes from vehicle intake through delivery
- Identify, complete, and document relevant technician competencies
- Demonstrate effective workplace practices (on time, appropriate dress, positive attitude, etc.)
- Apply applicable safety principles while in class and laboratory environments
- Practice components of service learning (action, problem solving, reflection, purposeful learning)
- Demonstrate an understanding of community needs and an appreciation for community service
- Practice effective teamwork in leading and supportive roles

Major Topics to be Included

- Community Service
- Communication
- Customer Satisfaction
- Job Site Safety
- Diagnostic Process
- Proper Use of Diagnostic Tools
- Proper Use of Service Tools and Equipment
- Quality Control
- Job Documentation
- Teamwork
- Leadership