



Mechanics 10, 20, 30

OVERVIEW

Mechanics 10 (5 Credits)

No prerequisite

Do you presently own a car? Are you thinking of buying one in the future? Do you want to make repairs to your present vehicle? Is engineering in your future plans? If yes, then Mechanics 10 is an introductory course you should be considering. It provides you (male/female, novice or experienced) with knowledge and skills in vehicle care, maintenance and repair. This course will consist of both a theoretical and practical component.

- Vehicle Service & Care*
- Engine Fundamentals*
- Electrical Fundamentals*
- Mechanical Systems*
- Ride & Control Systems*

* Note: All courses marked with asterisk* are mandatory prerequisites to the advanced level courses.

Mechanics 20 (5 Credits)

Prerequisite: successful completion of all courses in Mechanics 10

This intermediate course is a more comprehensive study of the automotive systems. This course will satisfy those with a general interest, as well as those who wish to pursue a career in the transportation industry in any capacity.

Intermediate course offerings include:

- Electrical Components
- Suspension Systems
- Steering Systems
- Braking Systems
- Pneumatics & Hydraulics

Mechanics 20 (10 Credits)

Prerequisite: successful completion of all courses in Mechanics 10

No Prerequisite

This intermediate course is the same as the MEC20 (5 credits), with the addition of the following course offerings:

- Vehicle Detailing
- Drive Line
- Fuel & Exhaust
- Ignition Systems
- Transmissions/Transaxles

Mechanics 30 (5 Credits)

Prerequisite: successful completion of all courses in Mechanics 20

This advanced senior course is a more comprehensive study of the automotive systems. This course will satisfy those who wish to pursue a career in the automotive industry in any capacity.

Senior course offerings include:

- Engine Diagnosis
- Engine Tune-up
- Engine Replacement
- Engine Reconditioning I
- Drive Train Repair

Mechanics 30 (10 Credits)

Prerequisite: successful completion of all courses in Mechanics 20 (10 credits)

This advanced senior course is the same as the MEC30, with the addition of the following senior course offerings:

- Emission Systems
- Vehicle Value Appraisal
- Computer Systems
- Automatic Transmission
- Wheel Alignment