

# **ASEP-172**-AUTOMATIC TRANS/TRANSAXLES 6 CREDITS

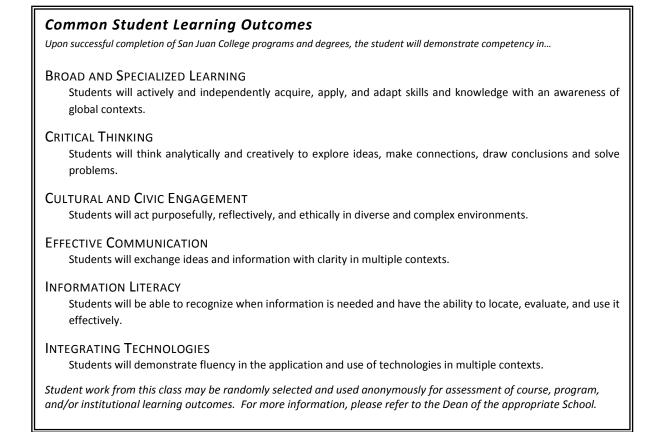
## **SYLLABUS**

## CATALOG DESCRIPTION

The operating principles of GM automatic transmissions, transaxles, and their diagnosis, electrical and electronic controls, and repair will be covered. Instruction on noise, vibration and harshness diagnosis and correction will also be covered along with mechanical and hydraulic components. Safety is emphasized.

Corequisites: ASEP-175

Semester Offered: Fall



#### **Course Learning Outcomes**

Upon successful completion of the course, the student will be able to...

- 1. To prepare the student with job entry level qualifications in power trains.
- 2. Completion of 100% of NATEF priority 1 tasks.
- 3. Completion of 85% of NATEF priority 2 tasks.

4. Completion of 75% of NATEF priority 1 tasks.

### **Specific Learning Outcomes**

Upon successful completion of the course, the student will be able to...

- 1. Demonstrate safe techniques for working on automatic transmissions, as well as transaxles.
- 2. Disassemble front drive axles.
- 3. Diagnose transfer cases malfunctions.
- 4. Measure flex-plate run-out.
- 5. Diagnose and repair automatic transmission malfunctions.
- 6. Pressure test automatic transmissions.
- 7. Adjust automatic transmission linkage.
- 8. Read and interpret power flow charts.
- 9. Service automatic transmissions in vehicle.
- 10. Test electrical transmission controls.
- 11. Remove and replace automatic transmissions.
- 12. Overhaul various automatic transmissions.