

AUTO TECH, ASE A8 ENGINE PERFORMANCE, ICLC



Drive Your Skills Forward

The Automotive Technology learning pathway prepares students to diagnose, service, and repair the increasingly complex systems found in today's vehicles. The Auto Tech, ASE A8 Engine Performance, ICLC provides focused training in automotive engine performance, including the diagnosis and repair of computerized engine controls, ignition and fuel systems, emissions systems, and related components. Students develop hands-on diagnostic skills that support preparation for the Automotive Service Excellence (ASE) A8 Engine Performance certification and continued education within the Automotive Technology pathway.

Career Opportunities and Income

Visit the Department Website (<https://www.sanjac.edu/programs/areas-of-study/manufacturing/automotive-tech/>) for information regarding career opportunities and potential earnings in the Greater Houston region.

Learning & Career Pathway

This learning pathway — a series of related and “stacked” certificates and degrees — includes the following awards. You can start at any point on the path and earn certificates on your way to completing the degree.

- Auto Tech, Future Automotive Service Technicians (FAST) Program Automotive Technology, Associate of Applied Science (<https://publications.sanjac.edu/areas-study/construction-industry-manufacturing-transportation/auto-tech-fast-automotive-technology-aas/>) (2 years)
- Auto Tech, Ford Automotive Student Technical Training (ASSET), Associate of Applied Science (<https://publications.sanjac.edu/areas-study/construction-industry-manufacturing-transportation/auto-tech-ford-asset-aas/>) (2 years)
- Auto Tech, General Motors Automotive Service Educational Program (ASEP), Associate of Applied Science (<https://publications.sanjac.edu/areas-study/construction-industry-manufacturing-transportation/auto-tech-gm-asep-aas/>) (2 years)
- Auto Tech, Honda Professional Automotive Career Training (PACT) Program, Associate of Applied Science (<https://publications.sanjac.edu/areas-study/construction-industry-manufacturing-transportation/auto-tech-honda-pact-aas/>) (2 years)
- Auto Tech, Mopar Career Automotive Program (CAP), Associate of Applied Science (<https://publications.sanjac.edu/areas-study/construction-industry-manufacturing-transportation/auto-tech-mopar-cap-aas/>) (2 years)

- Auto Tech, Toyota Technician Training & Education Network (T-TEN) Program, Associate of Applied Science (<https://publications.sanjac.edu/areas-study/construction-industry-manufacturing-transportation/auto-tech-toyota-tten-aas/>) (2 years)

Learning Outcomes and Career Skills

A student completing the last award in the pathway will be able to:

- Diagnose and repair electrical and electronic systems.
- Diagnose and repair mechanical systems and components.
- Diagnose and repair hydraulic systems and components.
- Diagnose and repair drivability concerns.
- Interpret technical information using industry software.

Accreditation

ASE Education Foundation (<https://www.aseeducationfoundation.org/schools/accreditation-process/>)
1503 Edwards Ferry Rd., NE
Suite 401
Leesburg, VA 20176
Phone: 703-669-6650

Licensure or Certification

ASE A8 Engine Performance
Training for a Gulf Coast Targeted Occupation per NCES 2020 CIP-SOC Crosswalk: 49-3023 Automotive Service Technicians and Mechanics

Locations

- Central (<https://www.sanjac.edu/about/locations/central/>)

College Admission

San Jacinto College is an open admission institution. All students are welcome to apply and will be admitted to the College. You may begin the process on the College's “How to Apply (<https://www.sanjac.edu/admissions/how-to-apply/>)” webpage.

Program Admission Requirements

Prior to enrollment in the Automotive Technology program, students must attend an information session with a program coordinator for the automotive program they are considering. These sessions provide important information about program requirements, enrollment steps, and available Automotive Technology pathways. Students should visit the Automotive Technology program page (<https://www.sanjac.edu/programs/areas-of-study/manufacturing/automotive-tech/>) to register for an upcoming information session.

Plan of Study

IC-AUTO-A8

Course	Title	Credits
First Year		
First Term		
AUMT 2417	Automotive Engine Performance Analysis I	4
AUMT 2434	Automotive Engine Performance Analysis II	4
Credits		8
Total Credits		8

Licensure or Certification: ASE A8 Engine Performance (<https://www.ase.com/test-series/>)