

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/>)

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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/>)