

AUTOMOTIVE SERVICE TECHNOLOGY

➤ Program Objective

The mission of the Automotive Service Technology program is to provide students with the necessary academic, vocational, and interpersonal skills for successful employment and lifelong learning in a rapidly changing, technologically oriented, global society.

➤ Program Content

Basic automotive skills are taught in the automotive autocore program along with electronics and theory for engine performance and advanced system diagnosis. Students receive advanced training in the eight areas of ASE testing, with preparation skills provided to pass the ASE certification tests in each of the eight specific areas, as well as, the advanced engine performance test. ASE areas include: Engine Repair, Automatic Transmission/Trans-axle, Manual drive train and axles, Suspension and Steering, Brakes System Technology, Electrical/Electronic systems, Heating and Air Conditioning and Engine Performance and Advanced Engine Performance.

➤ Admission Requirements

- ▶ 16 years of age or older and not currently enrolled in any K-12 program
- ▶ Occupational Interest
- ▶ Would benefit the student to have a valid driver license and a clear driving record to ensure employment after graduation

➤ Completion Requirements

The entire program is 1800 hours, but students can earn a certificate upon completion of the following OCPs:

OCP	COURSE	HOURS
A	Automotive Services Assistor	300
B	Engine Repair Technician	150
C	Automatic Transmission & Trans-axle Technician	150
D	Manual Drive Train & Axle Technician	150
E	Automobile Suspension and Steering Technician	150
F	Automotive Brake System Technician	150
G	Automotive Electrical / Electronic System Technician	300
H	Automotive Heating and A/C Technician	150
I	Automotive Engine Performance Technician	300

➤ Employment Opportunities

- ▶ Automotive Technician
- ▶ Automotive Technician Apprentice
- ▶ Automotive Technician Assistant
- ▶ Automotive Specialist in Different ASE Areas

➤ Employment Requirements

- ▶ Automotive Service Technicians & Mechanics complete a program at a post-secondary institution, Industry certification is usually required once person is employed

➤ Salary

According to the Bureau of Labor Statistics the average earnings in 2022 for Automotive Service Technicians were **\$47,310** annually or **\$22.74** hourly.

➤ Financial Aid

Financial aid is available to those who qualify. Applicants must have a high school diploma from an accredited High School, or its equivalent. To apply, complete the Free Application for Federal Student Aid, at www.fafsa.gov. Questions pertaining to this matter should be directed to the Financial Aid Office.

➤ Program Cost

- ▶ In-state residents - \$2.56 per hour (Subject to change)
- ▶ Out of state resident - \$10.25 per hour (Subject to change)
- ▶ \$15.00 application fee per trimester
- ▶ Material fee - \$25.00
- ▶ Identification fee - \$5.00 per trimester
- ▶ Liability insurance fee - \$10.50
- ▶ Students must purchase books/kits and/or uniforms, if applicable

➤ Program Hours

- ▶ Monday - Friday from 8:00 a.m. to 2:00 p.m.
- ▶ Monday - Thursday from 5:00 p.m. to 10:15 p.m.

ELECTRICITY

➤ Program Objective

The purpose of this program is to prepare students for employment or advanced training in a variety of construction electrical industries.

➤ Program Content

The course includes the understanding of all aspects of the electricity industry, and demonstrates such elements of the industry as planning, management, finance, technical and production skills, underlying principles of technology, labor, community, health, safety and environmental issues.

➤ Admission Requirements

- ▶ 16 years of age or older and not currently enrolled in any K-12 program
- ▶ Occupational Interest

➤ Completion Requirements

The entire program is 1200 hours, but students may earn a certificate upon completion of the following OCPs:

OCP	COURSE	HOURS
A	Electrician Helper	300
B	Residential Electrician	450
C	Commercial Electrician	450

Minimum basic-skills grade levels required for awarding a Full Program Completion Certificate are 9th grade in Math, Reading, and Language on the TABE® Test, or passing the Industry Certification. Additional information can be provided by student services.

Students are expected to complete program competencies.

➤ Employment Opportunities

- ▶ Electrician Helper
- ▶ Residential Electrician
- ▶ Commercial Electrician

➤ Employment Requirements

- ▶ Highly recommended certification and or certificate from a vocational/ technical college

➤ Salary

According to the Bureau of Labor Statistics the average earnings in 2022 for Electricians were **\$50,710** annually or **\$24.38** hourly.

➤ Financial Aid

Financial aid is available to those who qualify. Applicants must have a high school diploma from an accredited High School, or its equivalent. To apply, complete the Free Application for Federal Student Aid, at www.fafsa.gov. Questions pertaining to this matter should be directed to the Financial Aid Office.

➤ Program Cost

- ▶ In-state residents - \$2.56 per hour (Subject to change)
- ▶ Out of state resident - \$10.25 per hour (Subject to change)
- ▶ \$15.00 application fee per trimester
- ▶ Material fee - \$25.00
- ▶ Identification fee - \$5.00 per trimester
- ▶ Liability insurance fee - \$10.50
- ▶ Students must purchase books/kits and/or uniforms, if applicable

➤ Program Hours

- ▶ Monday - Friday from 8:00 a.m. to 2:00 p.m.
- ▶ Monday - Friday from 5:00 p.m. to 10:15 p.m.

MARINE SERVICE TECHNOLOGIES

➤ Program Objective

The objective of this course is designed to develop the necessary skills and competencies for students preparing for a career in boat/yacht repair and refinishing occupations within the marine industry. The content includes, but is not limited to marine terminology, boating, and navigation, workplace safety practices, communication skills, mathematical and scientific practices as related to the marine industry.

➤ Program Content

The content includes but is not limited to the following: service, repair and overhaul of four-stroke and two-stroke cycle engines and outboard motors; and service and repair of boating accessories. With regard to the above, course content will include electrical systems, fuel systems, power transfer systems, ignition systems, cooling systems, lubrication systems, drive systems and boat and trailer rigging.

The course content should also include training in communication, leadership, human relations and employability skills; and safe, efficient work practices.

➤ Admission Requirements

- ▶ 16 years of age or older and not currently enrolled in any K-12 program
- ▶ Occupational Interest

➤ Completion Requirements

The entire program is 1350 hours but students can earn a certificate upon completion of the following OCPs:

OCP	COURSE	HOURS
A	Marine Rigger	300
B	Outboard Engine Technician	300
C	Outboard Engine Diagnostics Technician	150
D	Inboard Gas Engine Technician	300
E	Drive Train Technician	150
F	Inboard Diesel Technician	150

Minimum basic-skills grade levels required for awarding a Full Program Completion Certificate are 9th grade in Math, Reading and Language on the TABE® test. Additional information can be provided by student services.

Students are expected to complete program competencies.

➤ Employment Opportunities

Certified Marine Technicians can work in

- ▶ Marine Vessel Repair
- ▶ Recreational/Commercial Boat Maintenance
- ▶ Power Plants & Outdrives
- ▶ Electrical/Electronic Systems
- ▶ Marine Plumbing
- ▶ Trailers/Shipping Containers

➤ Employment Requirements

- ▶ 6X-Occupational Completion Points (OCP) Certification
- ▶ Complete -1X- full program
- ▶ Recommended Yamaha basic skills training certificate
- ▶ Recommended Kennesaw, Georgia training program (2 weeks)

➤ Salary

According to the Bureau of Labor Statistics the average earnings in 2022 for Marine Service Technicians were **\$51,630** annually or **\$24.82** hourly.

➤ Financial Aid

Financial aid is available to those who qualify. Applicants must have a high school diploma from an accredited High School, or its equivalent. To apply, complete the Free Application for Federal Student Aid, at www.fafsa.gov. Questions pertaining to this matter should be directed to the Financial Aid Office.

➤ Program Cost

- ▶ In-state residents - \$2.56 per hour (Subject to change)
- ▶ Out of state resident - \$10.25 per hour (Subject to change)
- ▶ \$15.00 application fee per trimester
- ▶ Material fee - \$20.00
- ▶ Identification fee - \$5.00 per trimester
- ▶ Liability insurance fee - \$10.50
- ▶ Students must purchase books/kits and/or uniforms, if applicable

➤ Program Hours

- ▶ Monday - Friday from 8:00 a.m. to 2:00 p.m.

HEATING, VENTILATION, AIR CONDITIONING/ REFRIGERATION (HVAC/R)

➤ Program Objective

This program is designed to develop competencies in heating and air-conditioning system operations, start-up and troubleshooting procedures as well as electrical diagnostics, heat loads and airflow calculations.

➤ Program Content

The Heating, Ventilation, Air-Conditioning/Refrigeration program provides classroom and laboratory (hands-on experiences which enable students to become proficient in the installation, repair and maintenance of air conditioning, refrigeration and heating systems. The laboratory contains a variety of residential central air conditioning units and industry simulators.

Content also includes basic supervisory skills, use and care of hand tools, power tools, specialized tools and equipment, and use of current industry standards, practices and techniques. The course/program also provides supplemental training for persons previously or currently employed in these occupations.

➤ Admission Requirements

- ▶ 16 years of age or older and not currently enrolled in any K-12 program
- ▶ Occupational Interest

➤ Completion Requirements

The entire program is 1350 hours but students can earn a certificate upon completion of the following OCPs:

OCP	COURSE	HOURS
A	Introduction to HVAC/R	250
B	HVAC/R Fundamentals	250
C	HVAC/R Service Practices	250
D	HVAC/R Intermediate Service Practices	250
E	HVAC/R Advanced Service Practices	350

Minimum basic-skills grade levels required for awarding a Full Program Completion Certificate are 9th grade in Reading, 10th grade in Math and 9th grade in Language on the Test of Adult Basic Education Test (TABE®) or passing the HVAC Excellence Certification. Additional information can be provided by student services.

Students are expected to complete program competencies.

➤ Employment Opportunities

- ▶ Air-Conditioning, Refrigeration and Heating Mechanics
- ▶ Mechanic Helpers
- ▶ Air-Conditioning and Heating Installer
- ▶ Warehouse & Parts Supplier
- ▶ Marine Air Conditioning Technician
- ▶ Building Maintenance Engineers
- ▶ Refrigeration Sales and Services

➤ Employment Requirements

- ▶ Certification Sec. 6081
- ▶ Environmental Protection Agency EPA

➤ Salary

According to the Bureau of Labor Statistics the average earnings in 2022 for Heating, Ventilation, Air Conditioning/Refrigeration Technicians were **\$49,380** annually or **\$23.74** hourly.

➤ Financial Aid

Financial aid is available to those who qualify. Applicants must have a high school diploma from an accredited High School, or its equivalent. To apply, complete the Free Application for Federal Student Aid, at www.fafsa.gov. Questions pertaining to this matter should be directed to the Financial Aid Office.

➤ Program Cost

- ▶ In-state residents - \$2.56 per hour (Subject to change)
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➤ Program Hours

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- ▶ Monday - Thursday from 5:00 p.m. to 10:15 p.m.