



Automotive Technology Pathway

ELK GROVE HIGH SCHOOL

The Elk Grove High School Automotive Technology Pathway provides students with the essential skills required to secure an entry-level position with the automotive field and/or foundational knowledge necessary to transition into a post-secondary program in automotive technology. Students gain hands-on experience by working with professional automotive equipment and diagnostic tools, learning about industry standard safety rules, service information, career strategies and the importance of job performance. Topics covered include engine operation, electrical systems, fuel injection, computer systems, brake and basic engine repair. The Automotive Technology Pathway is articulated with Cosumnes River College's Automotive Program, which allows students to earn post-secondary credit while enrolled in this high school pathway.



PATHWAY BENEFITS

The automotive industry will need many well-trained technicians over the next three decades. These jobs provide above-average income and good working conditions.

FUTURE CAREER OPTIONS

High School Diploma

- Mechanic's Assistant
- Lube Technician
- Parts and Sales Counter Clerk
- Automotive Body and Paint Repairer
- Tire Repairers and Changer
- Service Station Attendant
- Bus Driver, School
- Industrial Truck and Tractor Operator
- Truck Driver, Light or Delivery Service
- Taxi Driver and Chauffeur
- Flight Attendant
- Porter
- Aircraft Detailer
- Ground Support Crew

AA, AS Degree or Certificate

- Bus and Truck Mechanics
- Automotive Master Mechanic
- Diesel Engine Specialist
- Motorcycle Mechanic
- Auto Glass Installer
- Dispatcher
- Service Writer
- Licensed Smog Technician
- Avionics Technician
- Airframe and Power Plant Technician
- Aircraft Mechanic/Service Technician
- Air Traffic Controller
- Commercial Pilot

BS, BA or Post-Graduate Degree

- Ship Engineer
- Ship and Boat Captain
- Ship Engineer
- Airline Pilots, Copilot
- Flight Engineer
- Astronaut
- Insurance Claims Adjuster
- Shop Manager
- Fleet Manager
- Parts and Service Manager
- Automotive Corp. Service Representative

OUR BUSINESS PARTNERS

- Elk Grove Auto Mall
- Elk Grove Honda
- Elk Grove Nissan
- AutoZone
- Gearhead Garage
- Valvoline
- Specialized Muffler
- Cascar Machine Shop
- Smog 'N Go
- Summit Racing
- Rally Productions
- RockAuto
- Falken Tire

SAMPLE CAREER-THEMED COURSES

The sample program of study outlined below lists academy-specific courses and does not include the full list of graduation requirements in writing, math, VAPA, WL, etc. These courses are subject to change based upon industry trends.

Career-Themed Course(s)

- Foundations of Automotive Services:** This course provides basic shop safety, tool recognition, introduction to automotive repair, technology core, exploring automotive technology and automotive technology design. Basic systems and systems functions are covered as an introduction to Auto II and Auto III.
- Automotive Services-The Next Level:** This course extends study with more in-depth areas of the automotive systems. These areas include brakes, electrical system, steering and suspension, introduction to fabrication and body and collision repair and automotive fundamentals. Students will be given hands-on projects to diagnose and repair.
- Advanced Automotive Services:** This course provides advanced automotive and diagnostics, fuel injection engine performance, smog and emissions equipment diagnostics and repair, diesel engines, motorcycles, advance fabrication and prototyping, collision, paint and repair. (Explore/CTE, advanced and third year automotive students only).

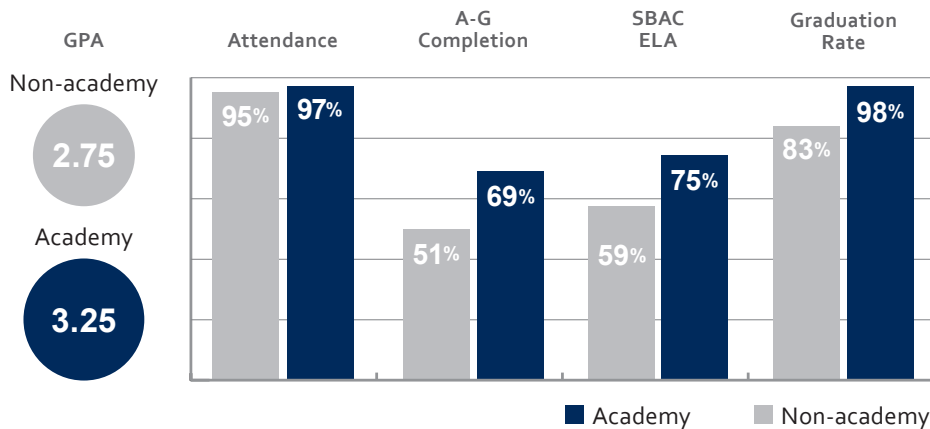


CONTACT INFORMATION



Elk Grove High School
 Automotive Technology Pathway
 Web: eghs.egusd.net
 Web: www.EGUSDExplore.com

ACADEMY VS. NON-ACADEMY DATA (DISTRICT-WIDE)



IN THE COMMUNITY

Elk Grove High School Auto Shop
 All Car, Annual Car Show