

SKILLED AUTOMOTIVE & CONSTRUCTION TRADES

Automotive Diesel Technologies		<u>Courses must be taken in sequence:</u>	
		Automotive Diesel I (Year 1) CTS210A/JTS210A CTS210B/JTS210B	
		Automotive Diesel II (Year 2) CTS211A/JTS211A CTS211B/JTS211B	
		Automotive Diesel III (Year 3) CTS212A/JTS212A CTS212B/JTS212B	
		Automotive Diesel IV (Optional Year 4) CTS213A/JTS213A CTS213B/JTS213B	
Automotive Diesel Intern (Optional) CTS215A/CTS215B			
Grade: 9-12	3 Year Program	Program offered at: AHS	
<p>Your skills will always be in demand across several industries.</p> <ul style="list-style-type: none"> • Learn techniques and skills of basic automotive care in the first year of the program, including tire mounting, tire balancing, cooling systems, brake replacement, and oil changes • Learn to use advanced computer diagnostics to troubleshoot and repair modern auto-diesel systems • Perform repair, service, and preventive maintenance operations on auto-diesel engines, chassis, and powertrains • Learn maintenance and repair of systems on medium-duty and heavy-duty equipment • Students can demonstrate their skills in regional, state, and national SkillsUSA competitions 			Fee required

Automotive Technologies		<u>Courses must be taken in sequence:</u>	
		Automotive Technology I (Year 1) CTS161A/JTS161A CTS161B/JTS161B	
		Automotive Technology II (Year 2) CTS162A/JTS162A CTS162B/JTS162B	
		Automotive Technology III (Year 3) CTS163A/JTS163A CTS163B/JTS163B (3 credits from PCC available for Year 3)	
		Automotive Technology IV (Optional Year 4) CTS160A/JTS160A CTS160B/JTS160B	
Automotive Technology Internship (Optional) CTS164A/CTS164B			
Grade: 9-12	3 Year Program	Program offered at: CDO	
<p>This high-tech career is always in demand and cannot be outsourced overseas</p> <ul style="list-style-type: none"> • Learn all basic automotive techniques and skills, including tire mounting, tire balancing, cooling systems flushes, brake replacement, and oil changes • Receive instruction on basic and advanced engine fundamentals • Demonstrate understanding of electrical circuitry in transportation applications • Work-based learning instruction to advance knowledge in suspension and brakes • Analysis of engine performance and drivetrain • Students can demonstrate their skills in regional, state, and national SkillsUSA competitions <p><i>Dual enrollment with PCC AUT101 is available.</i></p>			Fee required

Construction Technology		<u>Courses must be taken in sequence:</u>	
		Construction Technology I (Year 1) CTS165A/JTS165A CTS165B/JTS165B	
		Construction Technology II (Year 2) CTS166A/JTS166A CTS166B/JTS166B	
		Construction Technology III (Optional Year 3) CTS167A/JTS167A CTS167B/JTS167B (6 credits from PCC available for Year 3)	
		Construction Technology IV (Optional Year 4) CTS169A/JTS169A CTS169B/JTS169B	
Construction Technology Internship (Optional) CTS168A/CTS168B			
Grade: 9-12	2 Year Program	Program offered at: CDO	
Be part of an exciting and ever-changing career that combines creativity and technology. <ul style="list-style-type: none"> • Learn to safely use hand tools and power tools and about staining/lacquering, estimating, carpentry, electrical, masonry, plumbing, sheet metal, and welding • Gain experience in reading plans and developing skills through hands-on learning and application • Complete small and large construction projects including playhouses, picnic tables, converting a mobile container to a home, and building a camping trailer • Students can demonstrate their skills in regional, state, and national SkillsUSA competitions 			Fee required

Technical Theater		<u>Courses must be taken in sequence:</u>	
		Technical Theater I (Year 1) CTS170A/JTS170A CTS170B/JTS170B	
		Technical Theater II (Year 2) CTS171A/JTS171A CTS171B/JTS171B	
		Technical Theater III (Year 3) CTS173A/JTS173A CTS173B/JTS173B	
		Technical Theater IV (Year 4) CTS174A/JTS174A CTS174B/JTS174B	
Grade: 9-12	2 Year Program	Program offered at: AHS CDO IRHS	
Students will be prepared for immediate employment in entry-level jobs and to pursue training and education at a 2-year or 4- year college or university. <ul style="list-style-type: none"> • Learn the fundamentals of how to put on a theatrical production • Operate the school's digital stage equipment • Design and build elements of scenery, props, costumes, sound, stage makeup, and lighting for the various performances • Run various shows throughout the year in both the main stage and blackbox • Operate equipment safely 			Fee required

Welding		<u>Courses must be taken in sequence:</u>	
		Welding Technologies I (Year 1) CTS236A/JTS236A CTS236B/JTS236B	
		Welding Technologies II (Year 2) CTS237A/JTS237A CTS237B/JTS237B	
		Welding Technologies Internship (Optional Year 3) CTS238A/CTS238 B	
Grade: 9-12	2 Year Program	Program offered at: AHS	
Learn how to heat metal for a wide range of opportunities in an industry always in need. <ul style="list-style-type: none"> • Apply technical knowledge and skills to join or cut metal surfaces • Specialized instruction in arc welding, resistance welding, brazing and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards 			Fee required