

Key
Carrer PATHway Academic Required Courses
Career Pathway Recommended Courses/Learner Activities
Articulated Courses
1-year Certificate
AAS Degree
University
Proposed Pathway Course

Tigard High School

Mechanical Technology

This program of study should serve as a guide, along with other career planning materials, as you continue your career path.
Courses listed within this plan are only recommended coursework and should be individualized coursework to meet each learner's educational and career goals.

Education Levels	Grade	English / Language Arts	Math	Science	Social Studies / Sciences	Other Required Courses and Electives	Career Pathway Core Classes	Recommended Courses and/or Learning Activities	Degree or Diploma
	Grade Level	PROGRAM OF STUDY							
HS	9	English Language Arts 9	Algebra 1	Intergrated Science	World Studies	PE 1	Auto Tech 1		Diploma
	10	English Language Arts 10	Geometry	Biology	American Studies	Health and PE 2	Auto Tech 2		
							Auto Engine Repair		
	11	English Language Arts 11	Algebra 2	Physics	Social Studies	World Language			
							Auto Electrical/Electronics		
							Auto Engine Performance		
	12	English Language Arts 12 or Humanities	Post Secondary Prep -Additional Year or semester of Math	Post Secondary Prep -Additional Year or semester of	Government/ Economics	World Language	Advanced Auto Application		
	PCC	TERM	PROGRAM OF STUDY						
FIRST TERM		AM 100 Intro to Automotive Systems	AM 111 Engine Repair	AM 161 Electrical Systems I	CG 209 Job Finding Skills	Automotive Service Elective		Automotive Service Technology 2 -year Certificate Minimum of 77 credits	
SECOND TERM		AM 151 Brakes	AM 141 Suspension and Steering	AM 142 Advanced Suspension, Steering and Brakes				he PCC Automotive Service Technology Department provides flexible, career-oriented automotive repair education and training in an authentic and diverse environment. As a PCC Automotive student, you may prepare for any segment of the repair industry, including dealerships, fleets and independent repair shops. Partnerships between PCC and automotive repair businesses will allow you to learn in the classroom and on the job. Students may select a certificate or degree program that meets their needs. The program consists of instructional modules of seventeen days, each module being an intensive course in a specialized area. At the completion of each module, students are assessed according to their success in meeting course outcomes. The automotive modules consist of lecture and hands-on laboratory work. Students will have additional costs for tools and equipment.	
THIRD TERM		AM 162 Electrical Systems II	AM 163 Advanced Electrical/Electronic Systems	AM 171 Heating & Air Conditions Systems					
FOURTH TERM		AM 181 Engine Performance I	AM 182 Engine Performance II	AM183 Engine Performance III					

	FIFTH TERM	AM 131 Manual Drive Train and Axles	AM 121 Automatic Transmission/Tran saxle	AM 132 Advanced Automatic and Manual Drive Train				
	SIXTH TERM	AM 201 Auto Shop Lab I	AM 202 Auto Shop Lab II	AM 203 Auto Shop Lab III				
PCC	TERM	PROGRAM OF STUDY					TERM	Certificates/Degrees/Occupations
	FIRST TERM	AM 100 Intro to Automotive Systems	AM 161 Electrical Systems I	AM 111 Engine Repair	CG 209 Job Finding Skills	General Education Course		Associate of Applied Science - Minium of 93 credits
	SECOND TERM	AM 151 Brakes	AM 141 Suspension and Steering	AM 142 Advanced Suspension, Steering and Brakes	General Education Course			<p>The automotive service technician maintains, diagnoses and repairs mechanical, hydraulic, fuel and electrical systems on modern automobiles and light-duty trucks. Automotive Service Technology graduates find jobs in independent repair shops, dealerships and fleet maintenance facilities. Some start their own businesses. Students may select a certificate or degree program that meets their needs. The program consists of instructional modules of seventeen days, each module being an intensive course in a specialized area. At the completion of each module, students are assessed according to their success in meeting course outcomes. The automotive modules consist of lecture and hands-on laboratory work. Students will have additional costs for tools and equipment. Students must also meet Associate Degree Comprehensive Requirements and Associate of Applied Science Requirements. Students must complete a total of sixteen credits of General Education. In addition to required courses in the program of study, students must satisfy MTH 58/65 competency. Students should consult with program advisors for course planning.</p>
	THIRD TERM	AM 162 Electrical Systems II	AM 163 Advanced Electrical/Electronic Systems	AM 171 Heating & Air Conditions Systems	General Education Course			
	FOURTH TERM	AM 181 Engine Performance I	AM 182 Engine Performance II	AM 183 Engine Performance III	General Education Course			
	FIFTH TERM	AM 131 Manual Drive Train and Axles	AM 121 Automatic Transmission/Transa xle	AM 132 Advanced Automatic and Manual Drive Train	Automotive Service Tech Elective			
	SIXTH TERM	AM 201 Auto Shop Lab I	AM 202 Auto Shop Lab II	AM 203 Auto Shop Lab III				
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