

Key									
Career Pathway Academic Required Courses									
Career Pathway Recommended Courses/Learner Activities									
Articulated Courses									
1-year Certificate									
AAS Degree									
University									
Proposed Pathway Course									
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		
	11	English Language Arts 11	Algebra 2	Physics	Social Studies	World Language	Auto Engine Repair		
	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	Auto Electrical/Electronics		
TERM	PROGRAM OF STUDY								Certificates/Degrees/Occupations
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						The 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						

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.

PCC	FIFTH TERM	AM 131 Manual Drive Train and Axles	AM 121 Automatic Transmission/Trans axle	AM 132 Advanced Automatic and Manual Drive Train				
		AM 201 Auto Shop Lab I	AM 202 Auto Shop Lab II	AM 203 Auto Shop Lab III				
		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 - Minimum of 93 credits	
	SECOND TERM	AM 151 Brakes	AM 141 Suspension and Steering	AM 142 Advanced Suspension, Steering and Brakes	General Education Course		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.	
	THIRD TERM	AM 162 Electrical Systems II	AM 163 Advanced Electrical/Electronic Systems	AM 171 Heating & Air Conditions Systems	General Education Course		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.	
	FOURTH TERM	AM 181 Engine Performance I	AM 182 Engine Performance II	AM 183 Engine Performance III	General Education Course		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.	
	FIFTH TERM	AM 131 Manual Drive Train and Axles	AM 121 Automatic Transmission/Trans axle	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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