

Portland Community College

High School

CADD Drafting.

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.

Key			High School						
Carrer PATHway Academic Required Courses									
Career Pathway Recommended Courses/Learner Activities									
Articulated Courses			_ _ CADD Drafting _						
1-year Certificate			This program of study should serve as a guide, along with other career planning materials, as you continue your career path.						
AAS Degree			Courses listed within this plan are only recommended coursework and should be individualized coursework to meet each						
University			learner's educational and career goals.						
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			Diploma
	10	English Language Arts 10	Geometry	Biology	American Studies	Health and PE 2			
	11	English Language Arts 11	Algebra 2	Physics	Social Studies	World Language	Drafting Technology 1	Architechtual Drafting 1	
							Drafting Technology 1	Architechtual Drafting 1	
								Architechtual Drafting 2	
	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	Drafting Technology 2	Architechtual Drafting 2	
							Drafting Technology 2	Architechtual Drafting 2	
								Drafting Technology 2	
	TERM	PROGRAM OF STUDY						Certificates/Degrees/Occupations	
PCC									
	FIRST TERM	CADD 100 Drafting Orientation	CADD 126 Introduction to AutoCAD	CADD 136 Intermediate AutoCAD	CADD 160			Less than 1-year Certificate	
	SECOND TERM	CADD 165 Intermediate Drafting	CADD 175 SolidWorks Fundamentals	CADD 185 Inventor Fundamentals	CADD 246 AutoCAD 3-D and Solid Modeling			Minimum of 42 credits Computer Aided Design and Drafting CADD (formerly Drafting Technology and Design) program, you can earn a certificate within one year, providing the skills you need to obtain an entry-level position in the field.	
	THIRD TERM	CADD 225 Kinematics Drafting	CADD 256 Advanced AutoCAD	CADD 265 Advanced Drafting	CADD 275 SolidWorks Advanced	CADD 285 Advanced Inventor		With our certificate, you'll acquire several important industry-standard skills, including those in freehand drafting, modern computer-aided design (CADD) programs, 3-D modeling, mathematical concepts and problem solving.	
	FOURTH TERM								
	TERM	PROGRAM OF STUDY					TERM	Certificates/Degrees/Occupations	

PCC							
	FIRST TERM	EET 101 Intro to Electronic Testing Equipment/Soldering/Tools	EET 111 Electrical Circuit Analysis I	EET 121 Digital Systems 1	EET 188 Industrial Safety	MTH 111 College Algebra	Associate of Applied Science
	SECOND TERM	EET 112 Electrical Circuit Analysis II	EET 122 Digital Systems 2: Computing Systems	MTH 112 Elementary Functions			Minimum 96 credits Graduates of an Associate of Applied Science Degree program in EET are called electronic engineering technicians and find employment in circuits and systems testing, product development, prototype construction and testing, circuit and systems medication, systems operation and manufacturing. EET graduates are expected to have good communication skills and be capable of creative problem solving, working independently and in teams. They should have extensive knowledge of both the hardware and software of electronic systems. 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. Some courses specified within the program may be used as General Education. Math/computation competency is met through the math course(s) required in the program of study. Students should consult with program advisors for course planning.
	THIRD TERM	EET 113 Electrical Power	EET 123 Digital Systems: Mixed-Signal Systems	EET 178 Computing Environments for Technicians			
	FOURTH TERM	EET 221 Semiconductor Devices and Circuits	EET 242 Microcontroller and Embedded Systems	PHY 201 General Physics			
	FIFTH TERM	EET 222 Operational Amplifier Circuits	EET 241 Programming for Electronics	EET 254 Electronic Engineering Technology Seminar	PHY 202 General Physics		
	SIXTH TERM	EET 223 RF Communications Circuits	EET 256 Capstone Project or EET 280A Internship	EET 272 Motors and Motor Controls	EET273 Electronic Control Systems	PHY 203 General Physics	
	SEVENTH TERM						
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