Portland Community College

St Helens High School

Key

Carrer PAthway Academic Required Courses

Career Pathway Recommended Courses/Learner Activities

Drafting Technology

Career Pathway Recommended Courses/Learner Activities Articulated Courses		Architecture/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		P	ROGRAM OF STUDY	,					
	9	English Language Arts 9	Algebra 1	Intergrated Science	World Studies	PE 1	Drafting 1	Woodworking 1		
		English Language					Drafting 2	Pre-Engineering		
	10	Arts 10	Geometry	Biology	American Studies	Health and PE 2				
			j	3,			Drafting 3	Metals 1	Diploma	
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		English Language								
-	11	Arts 11	Algebra 2	Physics	Social Studies	World Language				
HS	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 4	Blueprint Reading		
TERM		PROGRAM OF STUDY					Certificates/Degrees/O	ccupations		
	FIRST TERM	CADD 100 Drafting Orientation	CADD 126 Introduction to AutoCAD	CADD 136 Intermediate AutoCAD	CADD 160			Less than 1-year C	ertificate	
	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) progra you can earn a certificate within one year, providing the skills you need to obtain an entry-level position the field. With our certificate, you'll acquire several importate industry-standard skills, including those in freehard drafting, modern computer-aided design (CADD programs, 3-D modeling, mathematical concepts a problem solving.		
	THIRD TERM	CADD 225 Kinematics Drafting	CADD 256 Advanced AutoCAD	CADD 265 Advanced Drafting	CADD 275 SolidWorks Advanced	CADD 285 Advanced Inventor				
PCC	FOURTH TERM									
TERM PROGRAM OF STUDY							TERM	Certificates/Degrees/O	ccupations	

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	FIRST TERM	ARCH 110 Introduction to Architectural Drawing	ARCH 124 Introduction to Buidling Systems	ARCH 126 Introduction to AutoCAD	ARCH 127 Introduction to Google SketchUp	ARCH 161 Rseidential Print Reading	Associate of Applie	d Science	
	SECOND TERM	ARCH 101 Introduction to Resildential Design	ARCH 121 Structural Systems 1	ARCH 132 Residential Building Codes	ARCH 136 Intermediate AutoCAD	ART 215 History of American Residential Architecture	Minimum of 99 cr This two-year Associate of Appl program helps students develor technical skills needed in the commercial building des	olied Science degree elop the design and ne residential and sign industry. oth self-employment is may pursue various esidential designers, signers, engineers,	
	THIRD TERM	ARCH 111 Intro to Residential construction Documents	ARCH 162 Commerical Print Reading	ARCH 237 Introduction to Revit Architecture	ARCH 256 Detail Drawing with AutoCAD	General Education Course	Career possibilities exist for bo and working for hire. Graduates design and drafting jobs with re construction firms, interior des architects, architectural product		
	FOURTH TERM	ARCH 112 Intro to Commericial Construction Documents	ARCH 113 Site Planning	ARCH 122 Structural Systems 2	ARCH 133 Commercial Buidling Codes	General Education Course	county, state and federal drafting departments and corporate drafting departments. Students must also meet Associate Degree Comprehensive Requirements and Associate of Applied Science Requirements. Students must		
	FIFTH TERM	ARCH 123 Sturctural Systems 3	ARCH 201 Residential Studio	ARCH Degree Elective	ARCH Degree Elective		complete a total of sixteen credits of General Education. In addition to required courses in the program of study, students must satisfy MTH 58/6 competency. Students should consult with program advisors for course planning.		
PCC	SIXTH TERM	ARCH 202 Commercial Studio	ARCH 224 Active and Passive Building Systems	ARCH Degree Elective	General Education Course		davisore for course	pariiiig.	
	SEVENTH TERM	ARCH 203 Residential Renovation Studio	ARCH 208 Cooperative Education Architectural Design and Drafting	General Education Course					
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