

Key
High School Academic
High School Career & Technical
PCC Dual Credit Articulated Courses
1-year Certificate
AAS Degree
University

# Glencoe High School

## Architectural Design and Drafting Engineering & Architecture Pathway

***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 Electives Recommended Electives Learner Activities	*Career and Technical Courses and/or Degree Major Courses
SECONDARY	9	Freshman English	Algebra	Physical Science	World Studies 2.0	Art 1.	Drafting Tech 1
	10	Sophomore English	Geometry	Biology	Sophomore American Studies 2.0	Art 2	Architectural Drafting 1
	11	Junior English	Algebra 2	Chemistry	Modern America	Job shadow	Architectural Drafting 2
	12	Senior English	Pre-Calculus Tech Math Statistics	Physics	Economics & People and Politics	Internship	Independent Study Architectural Drafting 3 Drafting 2

COMMUNITY	TERM	PROGRAM OF STUDY				Certificates/Degrees/Occupatio
	FIRST TERM	DRF 117 Drafting Fundamentals	DRF 126 Intro to AutoCAD	DRF 136 Intermediate AutoCAD	DRF 100 Drafting Orientation	

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<b>PORTLAND COMMUNITY COLLEGE</b>	<b>SECOND TERM</b>	DRF 133 Intermediate Drafting	DRF 185 Inventor Fundamentals	DRF 246 AutoCAD 3-D Modeling	DRF 270 SolidWorks Fundamentals		THIS SPACE WOULD LIST OCCUPATIONAL TITLES
	<b>THIRD TERM</b>	DRF 135 Advanced Drafting	DRF 237 Pro-Engineer Basics	DRF 251 Kinematics Drafting	DRF 271 Solidworks Advanced	DRF 285 Inventor Advanced	

TERM	PROGRAM OF STUDY					Certificates/Degrees/Occupation
<b>FIRST TERM</b>	ARCH 100 Graphic Communication for Designers	ARCH 124 Intro to Building Systems	ARCH 126 Intro to AutoCAD	ARCH 200 Intro to Architecture		<b>Associate of Applied Science Architectural Design/Drafting CIPS# 151303</b>
<b>SECOND TERM</b>	ARCH 101 Architectural Graphics I	ARCH 111 Working Drawings I	ARCH 121 Structural Systems I	ARCH 132 Residential Building Codes	ARCH 136 Intermediate AutoCAD	
					ART 215 History of Residential Architecture	

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<b>PORTLAND COMMUNITY COLLEGE</b>	<b>THIRD TERM</b>	ARCH 102 Architectural Graphics 2	ARCH 112 Working Drawings 2	ARCH 113 Site Planning	ARCH 122 Structural Systems 2	ARCH 133 Commercial Building Codes ARCH 137 AutoCAD Architecture	THIS SPACE WOULD LIST OCCUPATIONAL TITLES
	<b>FOURTH TERM</b>	ARCH 123 Structural Systems 3	ART 201 Design Studio 1	ARCH 224 Active & Passive Building Systems	General Education		
	<b>FIFTH TERM</b>	ARCH 202 Design Studio 2	ARCH Elective (see list below)				
	<b>SIXTH TERM</b>	ARCH 203 Design Studio 3	ARCH 280 CE: Architectural Design & Drafting	ARCH Elective (see list below)	General Education		

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	<b>Residential Electives</b>		ARCH 110 Intro to Architectural Drawing ARCH 280CE Construction Observation ID 133 Space Planning		ID 135 Professional Practice for Designers ID 138 Introduction to Kitchen & Bath Planning ID 236 Lighting Design		
	<b>Sustainability Electives</b>		ARCH 131 Sustainable Structures ARCH 204 Sustainable Design Studio ID 121 Sustainable Materials for Residential Interiors BCT 206 Sustainable Construction				
	<b>CAD Electives</b>		ARCH 237 Revit				
UNIVERSITY							







