

Key
High School Academic
High School Career & Technical
PCC Dual Credit Articulated Courses
1-year Certificate or 2-year Certificate
AAS Degree
University

Sunset High School

Engineering 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	Lit and Comp 9	Algebra I	Physics	World History 9	Health & PE	3D CAD & a CS class	DIPLOMA
	10	Lit and Comp 10	Geometry	Chemistry	World History 10	Health & PE	Engineering 1 & a CS class	
	11	Amer. Lit and Comp	Algebra II	Biology	IB History	Second Language	Engineering 2	
	12	Writing 120	IB Math SL			Second Language	Engineering 3	

	TERM	PROGRAM OF STUDY					Certificates/Degrees/Occupations
PORTLAND COMMUNITY COLLEGE	FIRST TERM	CMET 110	CMET 111	CMET 112	ENGR 102		One Year Certificate
	SECOND TERM	CMET 121	CMET 122	CMET 123	WR 121		Minimum of 67 credits Civil engineering technicians are problem solvers, working as part of a team involved in the planning, design, construction, operation, and management of many types of projects. These may include buildings, bridges, dams, highways, rapid transit facilities, airport and coastal improvements, land development projects, residential and commercial complexes, utilities, and environmental protection facilities such as water and wastewater treatment plants, air pollution control systems, solid and hazardous waste disposal systems, and storm water control facilities.
	THIRD TERM	CMET 131	CMET 213	CMET 227	SOCIAL SCIENCE GENERAL EDUCATION		
	FOURTH TERM	CH 101	CMET 133	CMET 223	COMM 100 OR COMM 111	ENGR 226	
PORTLAND COMMUNITY COLLEGE	TERM	PROGRAM OF STUDY					Certificates/Degrees/Occupations
	FIRST TERM	CMET 110	CMET 111	CMET 112	ENGR 102		Associate of Applied Science Degree Civil Engineering Technology
	SECOND TERM	CMET 121	CMET 122	CMET 123	WR 121		Minimum of 101 credits The PCC Civil Engineering Technology program is designed to develop marketable skills in a broad range of technical areas, as well as in problem analysis and solution, spoken and written communication, computer software use, and computer-aided drawing. While providing a curriculum strong in mathematics and engineering topics, our teaching format also emphasizes student involvement, teamwork, and extensive student-instructor interaction.
	THIRD TERM	CMET 131	CMET 213	CMET 227	CMET 280A		
	FOURTH TERM	CH 101	CMET 133	CMET 221	COMM 100 OR COMM 111	ENGR 226	
	FIFTH TERM	CMET 211	CMET 212	CMET 228	CMET 241	CMET 254	GENERAL EDUCATION
	SIXTH TERM	CMET 214	CMET 222	CMET 223	CMET 233	CMET 236	

UNIVERSITY							