

CIVIL & CONSTRUCTION ENGINEERING TECHNOLOGY

pcc.edu/programs/civil-construction-engineering/

CAREER AND PROGRAM DESCRIPTION

The Civil & Construction Engineering Technology program will educate students in careers related to Engineered Construction and Municipal services. Graduates will have the ability to support construction-related surveying, soil testing, construction project management, construction drafting and Building Information Modeling. These careers provide family wage jobs that support our diverse community by creating professionals that can pursue opportunity throughout their preferred career focus. The program strives to be accessible by including foundation math and science courses that are offered with multiple modalities district-wide.

DEGREES AND CERTIFICATES OFFERED

ASSOCIATE OF APPLIED SCIENCE DEGREE

Civil & Construction Engineering Technology

Academic Prerequisites

- (WR 115 and RD 115) or IRW 115 or equivalent placement.
- MTH 65 or any course for which MTH 65 is a prerequisite or equivalent placement.
- For students not meeting these requirements, advising is available to assist in preparing for entrance into the program and to earn credits which will apply toward the certificate or degree once accepted into the program.

Academic Requirements

- None

Non-Academic Prerequisites

- None

Non-Academic Requirements

- None

CIVIL & CONSTRUCTION ENGINEERING TECHNOLOGY AAS DEGREE

Minimum 94 credits. Students must also meet Associate Degree Comprehensive Requirements and Associate of Applied Science Requirements. Students must complete a total of four courses 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.

Code	Title	Credits
GEO 170	Maps and Geospatial Concepts	4
or CCET 100	Civil Engineering Construction Overview	
CCET 110	Plan Reading	3
CCET 120	Infrastructure	3
CCET 140	Introduction to Civil & Construction Drafting	3
CCET 150	Civil & Construction Drafting 2	3
CCET 210	Introduction to Surveying	4
CCET 215	Construction Materials	4
CCET 220	Computer Applications for Surveying	3
CCET 225	Engineered Water Systems	4
CCET 230	Intermediate Surveying	4

CCET 240	Introduction to 3D Modeling for Civil & Construction	4
CCET 250	3D Modeling for Civil & Construction 2	4
CCET 260	Civil and Construction Project Management	3
CCET 270	Inspection	3
CCET 275	Capstone	3
COMM 130	Business & Professional Communication	4
or COMM 111	Public Speaking (COMM111=COMM111Z)	
or COMM 215	Communicating in Teams and Small Groups	
COMM 140	Introduction to Intercultural Communication	4
GEO 265	Intro to GIS & Mapping Techniques *	4
MTH 95	Intermediate Algebra	4
MTH 111	Precalculus I: Functions (MTH111=MTH111Z) ^{*, Z}	4
MTH 112	Precalculus II: Trigonometry (MTH112=MTH112Z) ^{*, Z}	4
PHY 201	General Physics *	4
WR 121	Composition I (WR121=WR121Z) ^Z	4
WR 227	Technical Writing (WR227=WR227Z) ^Z	4
General Education: 2 Courses		
Total Credits		94

* Could be used as General Education credits.

Z This course is part of Oregon Common Course Numbering. The following courses are equivalent:
 COMM 111 and COMM 111Z
 MTH 111 and MTH 111Z
 MTH 112 and MTH 112Z
 WR 121 and WR 121Z
 WR 227 and WR 227Z