



Walla Walla Community College...

...*Your Best Choice*

Civil Engineering Technology

The Industry

Civil Engineering technicians help civil engineers to plan and build highways, buildings, bridges, dams, wastewater treatment systems, and other structures, and to do related research. Some estimate construction costs and specify materials to be used, and some may even prepare drawings or perform land surveying duties. Technicians may set up and monitor instruments used to study traffic conditions. The major specialties within civil engineering are structural, water resources, environmental, construction, transportation, and geotechnical engineering.

Career Opportunities

- Project Engineer
- Private Consultant
- Inspector
- Design Technician
- Surveyor Technician
- CADD Designer

WWCC's Degree Options

Students may earn an **Associate in Applied Arts and Sciences Degree in Civil Engineering Technology**. One-year certificates options include **Surveying** and **Engineering Graphics**. These options allow students the freedom to pursue careers after either one or two years of training.



For More Information

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Civil Engineering Technology

This schedule lists courses required for degree completion but the actual order and specific coursework may vary depending on student placement, start date, and quarter. Please check with your advisor prior to any substitutions.

The required related instruction is noted in bold print. The letter in the parenthesis indicates which category of related instruction is represented by the given course as follows:

- | | | |
|------------------------------|--------------------------|----------------------|
| (W)- Written Communications | (O)- Oral Communications | (R)- Human Relations |
| (M)- Computation/Mathematics | (J)- Job Seeking Skills | (L)- Leadership |

Year One	AAAS Civil Engineering Technology
Quarter One	Credits
CET 103, Engineering Concepts and Problems	5
ENGR& 111, Engineering Graphics I	4
ENGL 097, Basic Expository Writing (W)	5
	Total Credits
	14
Quarter Two	Credits
CET 151, Computer Aided Drafting and Design	3
CET 166, Introduction to Hydrology	3
CET 242, Properties of Materials	4
CET Elective ¹	4
PSYC 100, General Psychology (R)	5
	Total Credits
	19
Quarter Three	Credits
CET 100, Estimating	3
CET 160, Elementary Surveying	6
CET Elective ¹	4
OCSUP 108, MATH& 142, or MATH& 151 (M)	5
	Total Credits
	18
	Certificate Total
	51

Year Two	
Quarter One	Credits
CET 152, Advanced CADD Problems	3
CET 161, Advanced Surveying	6
CET 223, Hydraulics	4
ENGR& 214, Statics	5
	Total Credits
	18
Quarter Two	Credits
ENGR& 225, Mechanics of Materials	5
CET 224, Soil Mechanics for Construction	4
CET 263, Transportation and Highway Engineering	4
CMST& 220, Public Speaking (O)	5
	Total Credits
	18
Quarter Three	Credits
CET 201, Engineering Construction Management	4
CET 202, Construction Inspection	3
CET 221, Engineering Design Fundamentals	5
CET 226, Concrete and Asphalt Pavements	3
CET 299, Leadership (L)	1
PSYC& 140, Career and Life Planning (J)	3
	Total Credits
	19
	Year Two Total
	56
	Degree Total
	107

Year One	Surveying Certificate
Quarter One	Credits
CET Elective ¹	4
ENGR& 111, Engineering Graphics I	4
ENGL 097, Basic Expository Writing (W)	5
	Total Credits
	13
Quarter Two	Credits
CET 100, Estimating	3
CET 160, Elementary Surveying	6
CET Elective ¹	4
PSYC 100, General Psychology (R)	5
	Total Credits
	18
Quarter Three	Credits
CET 103, Engineering Concepts and Problems	5
CET 151, Computer Aided Drafting and Design	3
CET 161, Advanced Surveying	6
OCSUP 108, MATH& 142, or MATH& 151 (M)	5
	Total Credits
	19
	Certificate Total
	50

¹ Any Civil Engineering Technology (CET) course not required for the certificate may be used for the elective requirement.

The following courses meet the related instructional requirements of the program (one class per category required):

- (J) AGPR 100, BUS 292, OCSUP 103, PSYC 140
 - (M) MATH 065
 - (W) BUS 137, ENGL 097, ENGL& 101, WRITE 100, WRITE 110
- EPC: 603C

¹ Any CET course or any math course (MATH 095, MATH& 141 or higher)not required for the degree may be used for the elective course.

The following courses meet the related instructional requirements of the program (one class per category required):

- (J) AGPR 100, BUS 292, OCSUP 103, PSYC 140
 - (L) CET 299, CLS 180
 - (M) OCSUP 108, MATH& 142, MATH& 151
 - (O) OCSUP 102, CMST 102, CMST& 220
 - (R) OCSUP 101, PSYC& 100, PSYC 111
 - (W) BUS 137, ENGL 097, ENGL& 101, WRITE 100, WRITE 110
- EPC: 612