

Renewable Energy Systems - EET Option

2-Year A.A.S. Degree

(Wind/Hydro/Solar Power, Fuel Cell Technology, Industrial Power, etc.)

(Portland Community College 2011-2012 Catalog)

Program Prerequisites: Placement in MTH 111 and completion of WR 121.

Basic computer skills in the Windows™ operating system, email and internet research skills, word processing and spreadsheets are required. All students must have an advising interview with an EET advisor.

Total credits required: 107

Portland Community College, Sylvania Campus, EET Department, ST 208

email:linda.browning@pcc.edu; 971.722.8730; FAX: 971.722.4859; <http://www.pcc.edu/programs/electronic-engineering/>

First Term

EET 101	Intro to Elec.Test Eq/Sold/Tools	1
EET 111	Electric Circuit Analysis I	5
EET 121	Digital Systems I	3
MTH 111	College Algebra	5
¹ EET 110	Intro to Renewable Energy	3

Total: 17

Second Term

EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	4
² EET 188	Industrial Safety	1
MTH 112	Elementary Functions	5
³ PHY 201	General Physics	4

Total: 19

Third Term

EET 113	Electrical Power	5
EET 123	Digital Systems III	4
⁴ CS 133U	Intro to C <u>or</u>	4
CS 161	Computer Science I	
PHY 202	General Physics	4

Total: 17

Summer Term

EET 178	PC Architecture for Tech	4
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Total: 4

¹REE 201, at OIT can substitute for EET 110
²OSHA industrial safety training can substitute
³PHY 201 and 202 are offered during Summer in a compressed format as 4-week classes. PHY 211/212 can substitute for PHY 201/202.
⁴CS 161 is required by OIT
⁵CMET 213 prereqs for EET students: MTH 112&PHY202.
⁶ELT classes are offered at Cascade (Electrical Trades)
 ELT 125 prereq for EET students: EET 111
⁷RES Elect: Wind Power-EET 269 (SY); RET 122 (CGCC); Solar Mfg.-MT 101/102/104 (RC); Solar Install-(CA)
 Highly Recomm: 1cr lab of OIT's MET 218 (3-3-4)

Fourth Term

EET 221	Semiconductor Devices	5
EET 241	Microcomputer Systems	4
⁵ CMET 213	Fluid Mechanics	3
General Ed:	Social Science	3
⁶ ELT 125	Basic PLC	2

Total: 17

Fifth Term

EET 222	Op-Amp Circuits	5
EET 254	Seminar	1
EET 242	Microcontrollers Sys	4
⁶ ELT 126	Intermediate PLC	2
General Ed:	Arts and Letters	3
EET 272	Motors and Generators	3

Total: 18

Sixth Term

⁷ RES Electives		3
EET 223	RF Communication	5
EET 256	Electr Capst Project <u>or</u>	2
EET 280A	CE: Electronic Eng. Tech	
⁶ ELT 225	Advanced PLC	2
EET 273	Electronic Control Sys	3

Total: 15

Start in the fall (day) or in the winter (evening). Third term EET classes are offered in the summer as well. Check with the math department for compressed summer classes. EET program and all its options transfer to Oregon Institute of Technology (OIT) in the 4-year BSEET degree - check with the dept. for details or the PCC/OIT agreement on our website. For prior learning credit, contact Sanda Williams, department chair, at sanda.williams@pcc.edu. To receive formal credit, students must provide official transcripts, complete the Course Substitution form, have it signed by the dept. chair, and sent to the Registrar. Students may have up to 45 Nontraditional credits - check with the dept. for details

