

## Renewable Energy Systems - EET Option

A.A.S. Degree

[www.pcc.edu/programs/electronic-engineering](http://www.pcc.edu/programs/electronic-engineering)

(Portland Community College 2019-2020 Catalog)

**Location:** Portland Community College, Sylvania Campus ST 200

**Program prerequisites:**

- Placement in MTH 111 and completion of WR 121 - needed to start first year courses
- Basic computer skills in the Windows operating system, email, internet research, word processing and spreadsheets

**Program Total Credits Required: 101**

<b>First Term (EET courses offered F/W)</b>	<b>Credits</b>	<b>Fourth Term (EET courses offered Fall)</b>	<b>Credits</b>
EET 101A Electronic Lab Skills and Equipment 1	1	EET 221 Semiconductor Devices and Circuits	5
EET 111 Electrical Circuit Analysis I	5	EET 242 Microcontroller and Embedded Sys	4
EET 110 Introduction to Renewable Energy	2	EET 252 Electromechanical Systems Fund	2
EET 121 Digital Systems 1	4	General Ed: Arts&Letters	3
Math 111 College Algebra	5	EET 254 EET Seminar	1
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>15</b>

<b>Second Term (EET courses offered W/Sp)</b>	<b>Credits</b>	<b>Fifth Term (EET courses offered Winter)</b>	<b>Credits</b>
EET 112 Electrical Circuit Analysis II	5	EET 222 Operational Amplifier Circuits	5
EET 122 Digital Systems 2: Computing Systems	5	RES Electives	4
Math 112 Elementary Functions	5	EET 241 Programming for Electronics	4
EET 188 Industrial Safety	1	EET 263 Electronic Control Systems 1	2
EET 101 B Electronic Lab Skills and Equipment 2	1	EET 256 A Capstone Project 1 OR	<b>2</b>
		EET 280A Cooperative Education: EET	
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>17</b>

<b>Third Term (EET courses offered Sp/Su)</b>	<b>Credits</b>	<b>Sixth Term (EET courses offered Spring)</b>	<b>Credits</b>
EET 113 Electrical Power	5	EET 223 RF Communications Circuits	5
EET 123 Digital Sys 3: Mixed-Signal Systems	5	EET 273 Electronic Control Systems 2	3
General Ed: Social Science	3	EET 272 Motors and Motor Control	3
EET 178 Computing Environments for Techs	5	RES Electives	4
<b>Total</b>	<b>18</b>	EET 256 Capstone Project 2 OR	<b>2</b>
		EET 280A Cooperative Education: EET	
		<b>Total</b>	<b>17</b>

**RES Electives:**

ESR 141-Individual Sustainability (4cr)	BA 278 - Eco-Innovate Soc Entrepreneur (4cr)
ESR 140-Intro to Sustainability (4cr)	G 184 - Global Climate Change (4cr)
ENGR 262 Manufacturing Processes (4 cr)	MCH 121 (4 cr)
MT 101/102/103/104 (1cr each)	

**Please see second page for EET department advising areas**