

Mechatronics/Automation/Robotics/Engineering Technology-EET Option

A.A.S. Degree

www.pcc.edu/programs/electronic-engineering

(Portland Community College 2016-2017 Catalog)

Location: Portland Community College, Sylvania Campus ST 200

Department Chair: Sanda Williams sanda.williams@pcc.edu 971.722.4527

Student Advisor: Linda Browning linda.browning@pcc.edu 971.722.8730

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

Note: All students must have an advising interview with an EET advisor.

Program Total Credits Required: 107

First Term (EET courses offered F/W)	Credits	Fourth Term (EET courses offered Fall)	Credits
EET 101 Intro to Test Equip/Soldering/Tools	1	EET 221 Semiconductor Devices and Circuits	5
EET 111 Electrical Circuit Analysis I	5	EET 242 Microcontroller and Embedded Sys	4
General Education: Social Science	3	PHY 201 General Physics	4
EET 121 Digital Systems 1	4	MCH 121 Manufacturing Processes	4
MTH 111 College Algebra	5		
Total	18	Total	17

Second Term (EET courses offered W/Sp)	Credits	Fifth Term (EET courses offered Winter)	Credits
EET 112 Electrical Circuit Analysis II	5	EET 222 Operational Amplifier Circuits	5
EET 122 Digital Systems 2: Computing Systems	5	EET 254 EET Seminar	1
MTH 112 Elementary Functions	5	EET 241 Programming for Electronics	4
EET 188 Industrial Safety	1	PHY 202 General Physics	4
ELT 125 Basic PLC	2	ELT 225 Advanced PLC	2
Total	18	Total	16

Third Term (EET courses offered Sp/Su)	Credits	Sixth Term (EET courses offered Spring)	Credits
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	3
EET 178 Computing Environments for Techs	5	EET 272 Motors and Motor Control	3
ELT 126 Intermediate PLC	2	CMET 213 Fluid Mechanics	3
		PHY 203 General Physics	4
Total	17	Total	18

Summer Term	Credits
General Education: Arts&Letters	3