

Mechatronics/Automation/Robotics/Engineering Technology-EET Option

A.A.S. Degree

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: 102

First Term (EET courses offered F/W)	Credits	Fourth Term (EET courses offered Fall)	Credits
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
General Ed: Social Science	3	Mechatronics Electives	3
EET 121 Digital Systems 1	4	EET 252 Electromechanical Syst Fund	2
Math 111 College Algebra	5	EET 254 EET Seminar	1
Total	18	Total	15

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	Mechatronics Electives	4
Math 112 Elementary Functions	5	EET 241 Programming for Electronics	4
EET 188 Industrial Safety	1	EET 263 Electronic Control Systems I	2
EET 101B Electronic Lab Skills and Equipment 2	1	EET 256 A Capstone Project 1 OR	2
		EET 280A Cooperative Education: EET	
Total	17	Total	17

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 II	3
EET 178 Computing Environments for Techs	5	EET 272 Motors and Motor Control	3
General Ed: Arts&Letters	3	EET 256 B Capstone Project 2 OR	2
		EET 280A Cooperative Education: EET	
		Mechatronics Electives	4
Total	18	Total	17

Mechatronics Electives:

- MT 101,102,103, 104 (1 cr each)
- ENGR 262 (4 cr), MCH 121 (4cr)
- ENGR 105 ENG. Graph. 3-D (3cr)
- CADD 126 Introduction to AutoCAD (3cr)

Please see second page for EET department advising areas