

Mechatronics/Automation/Robotics/Engineering Technology-EET Option

A.A.S. Degree

www.pcc.edu/programs/electronic-engineering

(Portland Community College 2018-2019 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: 103

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	3
Math 111 College Algebra	5	EET 254 EET Seminar	1
Total	18	Total	16

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:

- CMET 110 Statics (4cr)
- CMET 121 Strength of materials (4cr)
- MCH 291 (1cr), MCH 292 (1.5 cr), MCH 294 (1.5 cr)
- MT 101,102,103, 104 (1 cr each)
- ENGR 262 (4 cr), MCH 121 (4cr)
- ENGR 105 ENG. Graph. 3-D (3cr)
- ARCH 126 Introduction to AutoCAD (3cr)
- CADD 126 Introduction to AutoCAD (3cr)

Please see second page for EET department advising areas

EET Department Advising

Name Title	Contact Information @pcc.edu	Area of Advising
Sanda Williams, EET Faculty Department Chair	sanda.williams@pcc.edu 971-722-4527	Credit transfer evaluations (foreign and domestic) Course substitution Course Challenge Non Traditional credit evaluation (military, industrial training, etc.) Course schedule issues Any other EET department affairs
Linda Browning, Student Advisor, Engineering Technology	linda.browning@pcc.edu 971-722-8730	Student resource advising Course prerequisites overrides when meeting the prereqs Class capacity overrides after class capacity increase has been approved by the department chair If Linda is not available contact the course instructor and if none are available contact the department chair
George Knox, Co-op education coordinator, Jobs & Internship assistance specialist	gknox@pcc.edu 971-722-4475	Co-op course preparation (EET 280A and EET 280C) - Info about the EET 280C here: http://spot.pcc.edu/jobs/bmet/ Co-op Information Sessions Jobs and internships assistance
Chuck Fenning, EET PT Faculty (Biomed classes instructor – EET 260/261/280C)	chuck.fenning	Biomed co-op instructor (EET 280C) and Biomed Instructor for EET 260/261
EET Course Instructors	www.pcc.edu/programs/electronic-engineering/faculty.html	Course related issues/questions Course prerequisites overrides Class capacity overrides after class capacity increase has been approved by the department chair. If the course instructors are not available contact Linda. If none are available contact the department chair.