

# Biomedical Engineering Technology - EET Option

## 2-Year A.A.S. Degree

### (Portland Community College 2011-2012 Catalog)

**Program prerequisites:** Placement in MTH 111 and completion of WR 121;

MP 111 Medical Terminology or any 3-4 credit medical terminology course

BI 121/122 Anatomy and Physiology I and II or BI 231/232/233 Anatomy Physiology I, II, III

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.

*Do not meet all these prerequisites but still want to start this option? You can start taking electronics classes (placement in Math 111 and completion of WR 121) which are part of the BMET option and switch your major to Biomedical Engineering Technology later.*

#### Total credits required: 102

Portland Community College, Sylvania Campus, EET Department, ST 208  
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<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
General Ed:	Social Sciences	3
EET 121	Digital Systems I	3
MTH 111	College Algebra	5

**Total: 17**

#### Fourth Term

EET 221	Semiconductor Devices	5
EET 241	Microcomputer Systems <u>or</u>	4
<sup>3</sup> CIS 278	Data Comm Concepts II – <i>spring term</i>	
<sup>4</sup> EET 260	Biomedical Equipment I	4
General Ed:	Arts & Letters	3

**Total: 16**

#### Second Term

EET 112	Electric Circuit Analysis II	5
EET 122	Digital Systems II	4
<sup>1</sup> EET 188	Industrial Safety	1
CIS 179	Data Comm Concepts I	4
MTH 112	Elementary Functions	5

**Total: 19**

#### Fifth Term

EET 222	Op - Amp Circuits	5
EET 242	Microcontroller Systems	4
EET 254	Seminar	1
EET 261	Biomedical Equipment II	4
<sup>5</sup> EET 280C	CE: BMET Practicum	4-11

**Total: 18**

#### Third Term

EET 113	Electrical Power	5
EET 123	Digital Systems III	4
EET 178	PC Architecture for Techs	4
<sup>2</sup> CS 133U	Intro to C <u>or</u>	4
CS 161	Computer Science I	

**Total: 17**

#### Sixth Term

EET 223	RF Communications Circuits	5
EET 273	Electronic Control Systems	3
EET 280C	CE: BMET Practicum	4-11

**Total: 12-19**

<sup>1</sup>OSHA industrial safety training can substitute

<sup>2</sup>CS 161 is required by OIT

<sup>3</sup>Class may be offered other terms; check w/ CIS Dept.

<sup>4</sup>EET 260 Prerequisites: MP 111, BI 122, EET 113, EET 123

<sup>5</sup>EET 280C Prerequisites: EET 260, EET 261. Day course only. Not Paid. Can be completed over one, two or three terms - winter, spring, summer, or fall terms. 11 credits required (330 hours). More information about EET 280C is here: <http://spot.pcc.edu/jobs/bmet/>

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](mailto: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 - please check with the department for details.

