

Effective 2017-2018

Purdue University Northwest - Program Major Courses (64 credits)	
Course	Credits
ECET 15400 Analog Electronics I	3
ECET 45600 Operating System with Embedded System Design	3
ECET 38400 Advanced Math Methods in EET	3
ECET 30300 Communications I	3
ECET 39200 Digital Signal Processing	3
ECET 26200 Programming Logic Controllers	3
ECET 31200 Power Electronic	3
IET 30800 Engineering Project Management	3
ECET 37300 Renewable Energy Sources and Modeling	3
Wellness Elective	1
ECET 49000 (EXL) Senior Design Project, Phase I	1
ECET 36200 Process Control Instrumentation	3
ECET 40400 Wireless Communication & Networking	3
ECET 49100 (EXL) Senior Design Project, Phase II	2
ECET 45500 Object Oriented System Design	3
MA 22200 Calculus for Technology II	3
ENGL 22000 Technical Report Writing	3
ECET 27300 Modern Energy Systems	3
ECET Elective	3
ECET Elective	3
ECET 31200 Power Electronics	3
36200 Process Control Instrumentation	3
ECET Elective	3

**Ivy Tech Community College - Associate of Science in Electronics and Computer Technology  
TSAP (59 Credits)**

- \_\_\_ (1) IVYT 101 Student Success
- \_\_\_ (3) EECT 112 Digital Fundamentals
- \_\_\_ (4) EECT 111 Introduction to Circuit Analysis
- \_\_\_ (4) EECT 122 Digital Applications
- \_\_\_ (3) EECT 128 Introduction to C Programming
- \_\_\_ (4) EECT 121 Electrical Circuits Analysis
- \_\_\_ (4) EECT 222 Introduction to Microcontrollers
- \_\_\_ (4) EECT 223 Electrical Machines
- \_\_\_ (3) MATH 136 College Algebra

- \_\_ (3) ENGL 111 English Composition
- \_\_ (3) COMM 101 Fundamentals of Public Speaking
- \_\_ (3) MATH 137 Trig with Analytic Geometry
- \_\_ (3) MATH 221 Calculus for Technology I
- \_\_ (4) PHYS 101 Physics I
- \_\_ (4) PHYS 102 Physics II
- \_\_ (3) Humanistic ways of Knowing\*
- \_\_ (3) Social and Behavioral Ways of Knowing\*
- \_\_ (3) Humanities/Social Science Elective\*

\*Select approved courses from Ivy Tech General Education Core Curriculum.

\*\*Degree program completion requires 120 credit hours for a bachelor degree.