

Bachelor of Science

# Electronic Engineering Technology

CWU-Des Moines

*A University in Your Community*

## Program Overview

The technologists graduating from this program are applications oriented, building upon a background of mathematics, science and technology. They interface with engineers at the product level and produce practical, workable results quickly; install and operate technical systems; devise hardware from proven concepts; develop and produce products; service machines and systems; manage production facilities; and provide support for technical systems.

Students interested in engineering courses after graduation should complete PHYS 181, 182, 183 and MATH through differential equations.

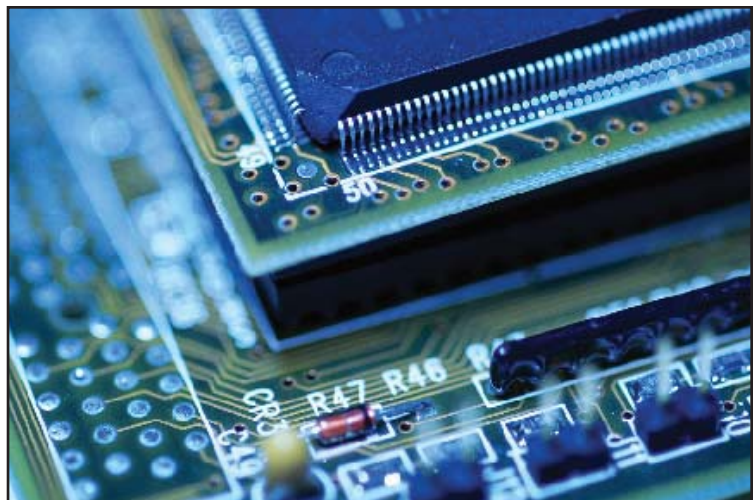
Students pursuing this degree should work with the departmental advisor to assure that they have met the prerequisites for the upper-division electives. Due to the number of hours required, some students may find that this program requires additional time to complete.

## Admissions

Application for Admission to Central Washington University is available on our website at <https://www.applyweb.com/aw?cwu>. Send official transcripts directly to Central Washington University.

Requirements:

1. Completion of DTA (AA/AS-T) or baccalaureate degree or have otherwise met CWU's general education requirements.
2. MATH 172 & 173 and PHYS requirements or equivalents
3. EET courses or equivalents



## Curriculum

The Electronics Engineering Technology program offers two specializations: Electronic Systems and Computer Engineering Technology. The Electronic Systems Specialization is for students who are interested in power systems, process control, and other electronics related fields. The Computer Engineering Technology specialization is for students who are interested in embedded controllers microprocessors, computer programming, and related electronic or computer related fields. Students interested in pursuing Engineering or Graduate degrees should plan on taking PHYS 181, 182, 183 and MATH through differential equations.

### EET Core Course Requirements

EET 221	Basic Electricity	3
EET 221LAB	Basic Electricity Lab	1
EET 312	Basic Electronics	4
EET 314	Network Analysis	4
EET 322	Intermediate Electronics	4
EET 371	Digital Circuits	4
EET 372	Advanced Digital	4
EET 375	Microprocessor Applications	4
EET 376	Microprocessors and Instrumentation	4
CS 110	Programming Fundamentals I (or approved substitute)	4
CS 111	Programming Fundamentals II (or approved substitute)	4
IET 301	Engineering Project Cost Analysis	4
IET 380	Quality Control	5
IET 389	Technical Presentations	3
MATH 172	Calculus I	5
MATH 173	Calculus II	5
MATH 265	Linear Algebra	4
Math Elective, select one:		
	MATH 260, Sets and Logic	5
	MATH 330, Discrete Mathematics	5
	MATH 272, Multivariable Calculus	5
	MATH 311, Statistical Concepts and Methods	5
	MATH 376, Differential Equations	5
PHYS 111, 111Lab, 112, 112Lab, 113, 113Lab, Introductory Physics		15
OR		
PHYS 181, 181Lab, 182, 182Lab, 183, 183Lab, General Physics		15
Written Communications Elective, select one:		
	CS 325, Technical Writing in Computer Science	3
	ENG 310, Technical Writing	4
	ADMG 385, Business Communication and Report Writing	5
Department Approved Technical Electives		18-22
<b>EET Core Total</b>		<b>87-91</b>

## Contact

TaiQian Yang, Ph.D  
 Faculty Advisor  
 CWU-Des Moines  
 2400 S 240th Street  
 Des Moines, WA 98198  
 206-439-3800 x3837  
[yangt@cwu.edu](mailto:yangt@cwu.edu)  
[www.cwu.edu/desmoines](http://www.cwu.edu/desmoines)



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