



# Pittsburg State University Engineering Technology Program Guide

## Bachelor of Science in Engineering Technology (BSET) Electronics Engineering Technology

2007– 2009

### MAJOR REQUIREMENTS

#### Technical Sciences

EET 100 Prolog to Electronics	2__
EET 144 DC Circuit Analysis Methods	3__
EET 245 Electronic Devices and Circuits	3__
EET 246 AC Circuit Analysis Methods	3__
EET 299 Electronics Core Exam	1__
EET 349 Linear Integrated Circuits	3__
EET 546 Electronic Controls	3__

#### Technical Specialties

EET 244 Logic Circuits	3__
EET 344 Microcomputer Systems	3__
EET 447 Communications Theory & Circuits	3__
EET 449 Advanced Logic Design	3__
EET 540 Electronic Design Proposal	3__
EET 640 Application Design Problems	2__
EET 642 Electronic Technology Seminar	1__

#### Support Courses

MECET 121 Engineering Graphics I	3__
MFGET 263 Manufacturing Methods I (See Gen. Ed.)	
MFGET 268 Manufacturing Methods I Lab (See Gen. Ed.)	
ETECH 502 Engineering Economy	3__
ETECH 694 Engineering Technology Lab Internship	1__
MATH 126 Pre-Calculus # (See Note Below)	4__
MATH 150 Calculus I	5__
MATH 155 Calculus II	5__
MATH 143 Elementary Statistics (See Gen. Ed.)	
ENGL 301 Technical/Professional Writing	3__
PHYS 105 Engineering Physics II	4__
PHYS 131 Elementary Physics Lab	1__

#### One Required Emphasis

##### Telecommunications Emphasis

EET 547 Electronic Communication Systems	3__
EET 448 Network Systems	3__
EET 648 Data Communication Systems	3__
EET nnn Controls Emphasis Course	3__

##### Controls Emphasis

EET 549 Microcontrollers	3__
EET 646 Control Systems	3__
EET 649 Advanced Programmable Controllers	3__
EET nnn Telecommunications Emphasis Course	3__

##### Custom Emphasis

6 hours chosen from other emphasis selections	6__
6 hours upper division electives with advisor's consent	6__

##### Approved Electives

(see other side)	9__
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#### Summary

General Education	43__
Technical Sciences	18__
Technical Specialties	18__

### GENERAL EDUCATION

**43 HOURS**

#### Basic Skills (12 hours)

ENGL 101 English Composition	3__
ENGL 190 Honors English Composition <b>OR</b>	
ENGL 299 Introduction to Research Writing	3__
COMM 207 Speech Communication	3__
MATH 143 Elementary Statistics	3__

#### General Education Electives (31 hours)

##### Sciences (9 hours)

##### *Natural Sciences*

BIOL 113 Environmental Life Science <b>OR</b>	4__
Other approved Natural Science course	

##### *Physical Sciences*

PHYS 100 College Physics <b>OR</b>	
PHYS 104 Engineering Physics I (preferred)	4__
PHYS 130 Elementary Physics Laboratory I	1__

##### Social Studies (3 hours)

Choose 1 approved course from the current catalog	3__
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##### Political Studies (3 hours)

Choose 1 approved course from the current catalog	3__
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##### Producing and Consuming (6 hours)

##### *Technology*

MFGET 263 Manufacturing Methods I	2__
MFGET 268 Manufacturing Methods I Lab	1__

##### *Business*

CSIS 240 C++ Programming	3__
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##### Fine Arts and Aesthetic Studies / Cultural Studies (3 hours)

Choose 1 approved course from the current catalog	3__
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##### Health and Well Being (4 hours)

##### *Psychological*

PSYCH 155 General Psychology	3__
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##### *Physical*

HHP 150 Lifetime Fitness Concepts <b>OR</b>	
Other approved Physical Well Being course	1__

##### Human Heritage (3 hours)

##### *History* – See current catalog

##### *Literature* – See current catalog

##### *Philosophy* – See current catalog

Choose 1 approved course from 1 of the above categories	3__
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# - MATH-126 Pre-Calculus is preferred, MATH-113 College Algebra **AND** MATH-122 Plane Trigonometry may be substituted

Support Courses	29__
Emphasis	12__
Approved Electives	9__
<b>TOTAL</b>	<b>129 hours</b>

**NOTE:** The information contained herein is intended for the use of planning of a student's academic program and does not replace the university catalog.