



Pittsburg State University  
**College of Technology Program Guide**

Degree: Bachelor of Science in Technology  
 Major: Environmental and Safety Management  
 Emphasis/Option: Environmental Management Emphasis  
 Minor (if required):

As of Fall 2014

## Major Requirements

### Technical Specialties\* (44 hours)

EST 101: The Environmental and Safety Industry .....	3
EST 204: Introduction to Fire Safety .....	3
EST 215: Introduction to Environmental Compliance .....	3
EST 326: Basic Electrical Safety .....	3
EST 393: Introduction to Industrial Safety .....	3
EST 396: Introduction to Construction Safety .....	3
EST 400: Cooperative Education/Internship (___) .....	3-6
EST 505: Water Quality and Solid Waste Management .....	3
EST 512: Risk Assessment .....	3
EST 514: Industrial Hygiene .....	3
EST 516: Hazardous Materials .....	3
EST 614: Environmental and Safety Program Development .....	2
EST 621: Ergonomics/Human Factors .....	3
EST 624: Risk Control .....	3
EST 630: Safety Management .....	3

### Environmental Management Emphasis\*

BIOL 313: Principles of Conservation .....	3
BIOL 615: Environmental Protection .....	3
EST 498: Environmental Safety .....	3
EST 629: Legal Issues in Environmental Health and Safety .....	3

### Support Courses\* (20 hours)

CHEM 215: General Chemistry I .....	3
and CHEM 216: General Chemistry I Laboratory .....	2
ENGL 301: Technical/Professional Writing .....	3
TM 679: Presentation Skills .....	3

### Safety Electives (chosen from:) (9 hours)

EST 404: Fire Protection Systems .....	3
EST 524: Emergency Planning & Emergency Response .....	3
EST 605: Special Topics in Environmental and Safety (___) .....	1-3
HRD 575: Instructional Media in Human Resource Development .....	3
Approved Course by Instructor .....	3

\*A grade of C or better is required in all technical specialties, emphasis and support course requirements.

# GENERAL EDUCATION REQUIREMENTS

(47-53 hrs.)

## Basic Skills 12 hours

COMM 207	Speech Communication.....	3
ENGL 101	English Composition.....	3
ENGL 190	Honors English Composition.....	3
OR ENGL 299	Introduction to Research Writing.....	3
MATH 113	College Algebra.....	3

## Sciences 8-9 hours

Natural Sciences ( <i>Select one</i> )		
BIOL 111/112	General Biology and Laboratory.....	5
BIOL 113	Environmental Life Science.....	4
BIOL 211	Principles of Biology I.....	4

Physical Sciences ( <i>Select one</i> )		
PHYS 171/172	Physical Science and Laboratory.....	4
	or other approved Physical Science course	

## Social Studies 3 hours

SOC 100	Introduction to Sociology.....	3
WOMEN 200	Introduction to Women's Studies.....	3

## Political Studies 3 hours

POLS 101	U.S. Politics.....	3
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## Producing and Consuming 6 hours

Economy		
ECON 191	Issues in Today's Economy.....	3
Business		
ACCTG 201	Financial Accounting.....	3

## Fine Arts and Aesthetic Studies (*Select one*)..... 2-3 hours

ART 155	Printmaking and Paper Arts.....	3
ART 178	Introduction to the Visual Arts.....	3
ART 188	The Designed World.....	3
ART 217	Crafts I.....	3
ART 222	Jewelry Design I.....	3
ART 233	Drawing I.....	3
ART 244	Ceramics I.....	3
ART 266	Sculpture I.....	3
ART 277	Painting I.....	3
ART 288	Introduction to Art History I.....	3
ART 289	Introduction to Art History II.....	3
ART 311	Art Education.....	3
COMM 105	Performance Appreciation.....	3
COMM 205	Performance Studies.....	3
COMM 295	Theatre History.....	3
ENGL 250	Introduction to Creative Writing.....	3
HHP 151	Dance Appreciation.....	3
MUSIC 120	Music Appreciation.....	3
MUSIC 121	Introduction to Music Literature.....	2
MUSIC 321	History of Music.....	3

## Cultural Studies (*Select one*) 3-5 hours

MLL 114	Chinese Language and Culture I.....	5
MLL 124	French Language and Culture I.....	5
MLL 154	Spanish Language and Culture I.....	5
MLL 184	Russian Language and Culture I.....	5
MLL 194	Korean Language and Culture I.....	5
GEOG 106	World Regional Geography.....	3
GEOG 300	Elements of Geography.....	3
GEOG 304	Human Geography.....	3
WOMEN 399	Global Women's Issues.....	3

## Health and Well Being 4-6 hours

Psychological		
PSYCH 155	General Psychology.....	3
Physical ( <i>Select one</i> )		
FCS 203	Nutrition and Health.....	3
FCS 301	Nutrition.....	3
HHP 150	Lifetime Fitness Concepts.....	1
NURS 303	Introduction to Public Health.....	3

## Human Heritage 6 hours

(*Select Philosophy PLUS one course from History or Literature*)

Philosophy		
PHIL 105	Ethics.....	3
History		
HIST 101	World History to 1500.....	3
HIST 102	World History from 1500.....	3
HIST 201	American History to 1865.....	3
HIST 202	American History from 1865.....	3
OR		

Literature		
ENGL 113	General Literature.....	3
ENGL 114	General Literature(Genre).....	3
ENGL 116	General Literature(Theme).....	3
ENGL 315	Mythology.....	3
ENGL 320	Literature and Film.....	3

Notes

NOTE: The information contained herein is intended to be used for the planning of a student's academic program and does not constitute a contract. While this guide was prepared with the latest information, courses, graduation requirements, and curricula are subject to change.

When a student attains 85 semester hours of credit (including current enrollment) the student must apply for a degree check in the Office of the Registrar (Degree Checking Section), Room 102 Russ Hall.

**MINIMUM GENERAL REQUIREMENTS:** The minimum requirements for graduation include 124 semester hours of which 60 hours must be from a four year university. In addition, 45 semester hours must be upper division and 30 hours in residence at PSU (including 24 of the last 30). Minimum GPA for non-education degree is 2.0 overall [2.0 in major], secondary education degree is 2.5 overall [2.75 in major], and early/late childhood/unified degree is 2.80 overall [3.0 in major]. A minimum GPA of 2.0 in any minor and in residence coursework is required. General Education and all degree requirements are provided in the online catalog. Refer to individual departments for specific requirements.