Pittsburg State University

College of Technology Program Guide

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

As of Fall 2013

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

General Industry Emphasis

EST 403: Industrial Safety 3
MFGET 263: Manufacturing Methods I 2
and MFGET 268: Manufacturing Methods I Laboratory 1
TTED 606: Industrial Supervision 3
Approved Tech elective or leadership course 3

#Approved Leadership courses include:
MIL 303 Leadership Assessment and Development
TM 520 Leadership in the Workplace
LDSP 600 Foundations of Leadership

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.

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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 *(Select one)*

BIOL	111/112	General Biology and Laboratory	5
BIOL	113	Environmental Life Science	4
BIOL	211	Principles of Biology I	4

Physical Sciences *(Select one)*

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

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	Western Art History I	3
ART	289	Western 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 *(Select one)*

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.