Pittsburg State University

College of Technology Program Guide

Degree: Bachelor of Science in Technology
Major: Construction Management
Emphasis/Option: Building Information Modeling (BIM) Emphasis
Minor (if required):

As of Fall 2013

Major Requirements

Technical Specialties (51 hours)

CMCET 133: Construction Graphics 3
CMCET 234: The Construction Industry 3
CMCET 235: Methods of Construction-Light Frame & Finishes 2
CMCET 330: Mechanical Systems (HVAC) 3
CMCET 331: Electrical Systems 3
CMCET 333: Theory of Structures 3
CMCET 334: Methods of Construction-Sitework and Steel 3
CMCET 335: Methods of Construction-Concrete and Masonry 3
CMCET 337: Construction Materials Testing and Inspection 2
CMCET 350: Mechanical Systems (Plumbing) 2
CMCET 434: Civil Construction 3
CMCET 530: Construction Cost Management 3
CMCET 537: Construction Surveying I 3
CMCET 631: Construction Estimating I 3
CMCET 634: Construction Management 3
CMCET 635: Contract Administration 3
CMCET 639: Construction Estimating II 2
CMCET 690: Professional Construction Certification Seminar 1
CMCET 691: Senior Project 3

*A grade of “C” or better is required for credit toward graduation and to satisfy pre-requisite requirements in all CMCET courses, MATH 113 College Algebra (or equivalent), MATH 122 Plane Trigonometry (or equivalent).

Support Courses (18 hours)

CMCET 200: Cooperative Education (___) 1-6
or CMCET 300: Cooperative Education (___) 3-6
or CMCET 400: Cooperative Education (___) 3-6
MATH 113: College Algebra 3
MATH 122: Plane Trigonometry 3
ENGL 301: Technical/Professional Writing 3
EST 396: Introduction to Construction Safety 3
EST 496: Construction Safety 2
and EST 497: Construction Safety Laboratory 1
Approved Technical Elective..... 3

MATH 113 College Algebra is satisfied by general education.

Building Information Modeling (BIM) Emphasis (12 hours)

CMCET 340: Building Information Modeling (BIM) 3
CMCET 640: BIM Management 3
GIT 334: 3D Graphics 3
GIT 530: 3D Animation and Rendering 3

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	160/165	Physical Geology and Laboratory	4
PHYS	162/163	Physical Oceanography and Laboratory	4
PHYS	166/167	Meteorology and Laboratory	4
PHYS	171/172	Physical Science and Laboratory	4
PHYS	175/176	Descriptive Astronomy and Laboratory	4
PHYS	375/176	Solar System Astronomy and Laboratory	4

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 one from two of the following three categories)

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

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

Philosophy

PHIL	103	Introduction to Philosophy.	3
PHIL	105	Ethics	3
PHIL	111	Ethics: Applied Emphasis(____).	3
PHIL	112	Biomedical Ethics	3
PHIL	113	Business Ethics	3
PHIL	114	Environmental Ethics	3
PHIL	208	Logic and Critical Thinking	3
PHIL	231	World Religions.	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.