



Pittsburg State University Engineering Technology Program Guide

Bachelor of Science in Technology (BST)

Construction Management

2007-2009

MAJOR REQUIREMENTS*

Technical Specialties (48 hours)

CMCET 133	Construction Graphics	3	___
CMCET 234	The Construction Industry	3	___
CMCET 235	Meth. of Const. – Lt. Fr. & Finishes	2	___
CMCET 330	Mechanical Systems	3	___
CMCET 331	Electrical Systems	3	___
CMCET 333	Theory of Structures	3	___
CMCET 337	Const Materials Testing & Insp.	2	___
CMCET 334	Meth. of Const. – Sitework & Steel	3	___
CMCET 335	Meth. of Const. – Concrete & Mas.	3	___
CMCET 434	Civil Construction	3	___
ETECH 502	Engineering Economy	2	___
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	Prof. Cons. Certification Seminar	1	___
CMCET 691	Senior Project	3	___

Emphases (12 hours)(choose one emphasis)

Company Management Emphasis

MGMKT 101	Introduction to Business	3	___
MGMKT 327	Organizational Theory & Behavior	3	___
MGMKT 444	Legal & Social Env. Of Business	3	___
MGMKT 629	Human Resources Management <u>OR</u>		
#Approved Leadership course		3	___

Field Management Emphasis

MFGET 162	Welding Processes	3	___
TTED 606	Industrial Supervision	3	___
Approved Technical Elective		3	___
#Approved Leadership course		3	___

Residential Construction Emphasis

CMCET 332	Residential Design	3	___
WT 382	Construction Methods & Materials	3	___
TTED 606	Industrial Supervision	3	___
Approved Technical Elective <u>OR</u>			
#Approved Leadership course		3	___

Safety Management Emphasis

EST 393	Introduction to Industrial Safety <u>OR</u>		
Approved Safety Elective		3	___
EST 603	Industrial Safety	3	___
Approved Safety Elective		3	___
TTED 606	Industrial Supervision	3	___

Support Courses (21 hours)

ETECH 200/300/400	Cooperative Education	3	___
MATH 113	College Algebra (See Gen. Ed.)		
MATH 122	Plane Trigonometry	3	___
CSIS 130	Computer Information Systems	3	___
ENGL 301	Technical/Professional Writing	3	___
ACCTG 305	Construction Accounting	3	___
EST 396	Intro to Construction Safety	3	___
EST 696	Construction Safety	3	___

#Approved Leadership courses include:

SSLS 600	Foundations of Leadership		
TM 520	Leadership in the Workplace		
MIL 303	National Advanced Leadership Camp Internship		

GENERAL EDUCATION

48 HOURS

Basic Skills (12 hours)

ENGL 101	English Composition	3	___
ENGL 190	Honors English Composition <u>OR</u>		
ENGL 299	Introduction to Research Writing	3	___
MATH 113	College Algebra	3	___
COMM 207	Speech Communication	3	___

General Education Electives (36 hours)

Sciences (8 hours)

Natural Sciences

BIOL 113	Environmental Life Science <u>OR</u>	4	___
Other approved Natural Science course			

Physical Sciences

PHYS 171 & 172	Physical Science & Lab <u>OR</u>	4	___
Other approved Physical Science course			

Social Studies (3 hours) (Choose 1 approved course)

Social Studies		3	___
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Political Studies (3 hours) (Choose 1 approved course)

Political Studies		3	___
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Producing and Consuming (6 hours)

Technology

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

Aesthetic Studies (3 hours) (Choose 1 approved course)

Aesthetic Studies		3	___
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Cultural Studies (3 hours) (Choose 1 approved course)

Cultural Studies		3	___
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Health & Well-being (4 hours)

Psychological

PSYCH 155	General Psychology	3	___
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Physical

HHP 150	Lifetime Fitness Concepts <u>OR</u>	1	___
Other approved Physical Well-being course			

Human Heritage (6 hours) (Choose 1 course from 2 of the following categories)

History

Approved History course

Literature

Approved Literature course

Philosophy		3	___
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Approved Philosophy course

Summary:

Technical Specialties	48	___
Required Emphasis	12	___
Support Courses	21	___
General Education	48	___
TOTAL	129	hours

*A grade of C or better is required in all major requirements and their prerequisites.
Modified 04-19-08