



Pittsburg State University Engineering Technology Program Guide

Bachelor of Science in Engineering Technology (BSET) Construction Engineering Technology

2007-2009

MAJOR REQUIREMENTS*

Technical Specialties (57 hours)

CMCET 133	Construction Graphics	3	___
CMCET 234	The Construction Industry (See Gen. Ed.)		
CMCET 235	Meth. of Const. – Lt. Fr. & Finishes	2	___
CMCET 330	Mechanical Systems	3	___
CMCET 331	Electrical Systems	3	___
CMCET 334	Meth. of Const. – Sitework & Steel	3	___
CMCET 335	Meth. of Const. – Concrete & Mas.	3	___
CMCET 337	Const. Materials Testing & Insp.	2	___
CMCET 431	Structural Design – Loads	1	___
CMCET 434	Civil Construction	3	___
ETECH 502	Engineering Economy	2	___
CMCET 536	Struct. Design – Temp. Structures	2	___
CMCET 537	Construction Surveying I	3	___
CMCET 631	Construction Estimating I	3	___
CMCET 632	Structural Design – Steel & Wood	3	___
CMCET 633	Structural Design – Concrete	3	___
CMCET 634	Construction Management	3	___
CMCET 635	Contract Administration	3	___
CMCET 637	Construction Surveying II	3	___
CMCET 638	Foundation & Soil Mechanics	3	___
CMCET 639	Construction Estimating II	2	___
CMCET 690	Prof. Cons. Certification Seminar	1	___
CMCET 691	Senior Project	3	___

Support Courses (30 or 31 hours)

PHYS 101/131 or 105/131	<u>OR</u>		
CHEM 112/113 or 215/216		4 or 5	___
MATH 122	Plane Trigonometry	3	___
MATH 143	Elementary Statistics (See Gen. Ed.)		
MATH 150	Calculus I	5	___
MECET 220	Statics or		
PHYS 220	Engineering Mechanics I – Statics	3	___
MECET 423	Mechanics of Materials	3	___
ENGL 301	Technical/Professional Writing	3	___
ACCTG 201	Financial Accounting (see Gen. Ed.)		
ACCTG 305	Construction Accounting	3	___
EST 396	Intro to Construction Safety	3	___
ETECH 200/300/400	Cooperative Education <u>OR</u>		
#Approved Leadership Course		3	___

#Approved Leadership courses include:

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

*A grade of C or better is required in all major requirements and their prerequisites.

GENERAL EDUCATION

43 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 143	Elementary Statistics	3	___
COMM 207	Speech Communication	3	___

General Education Electives (31 hours)

Sciences (9 hours)

Natural Sciences

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

Physical Sciences

PHYS 100	College Physics I <u>OR</u>		
PHYS 104	Engineering Physics I (preferred)	4	___
PHYS 130	Elementary Physics Lab I	1	___

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

CMCET 234	The Construction Industry	3	___
	Business		
ACCTG 201	Financial Accounting	3	___

Aesthetic Studies/Cultural Studies (3 hours)

Approved Aesthetic Studies course OR

Approved Cultural Studies course		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 (3 hours) (Choose 1 course from 1 of the following categories)

History

Approved History course

Literature

Approved Literature course

Philosophy

Approved Philosophy course		3	___
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Summary:

General Education	43	___
Technical Specialties	57	___
Support Courses	30 or 31	___
TOTAL	130 or 131 hours	

Modified 04-15-08

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.