

Pittsburg State University  
College of Technology – School of Construction

MEMORANDUM OF AGREEMENT

THIS MEMORANDUM OF AGREEMENT (AGREEMENT) is between any Kansas high school students who have successfully completed a state approved Construction Career Cluster Pathway utilizing a National Center for Construction Education and Research (NCCER) curriculum program as outlined below and ***Pittsburg State University - School of Construction***, Pittsburg, Kansas.

WHEREAS, the AGREEMENT will provide students with a smooth transition from high school to a post-secondary program/degree and three to five hours of Pittsburg State University course credit.

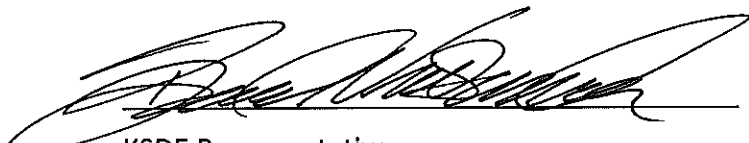
WHEREAS, the intent of this cooperative effort is to provide students with a non-duplicative program of study leading to enhanced employment opportunities.

NOW THEREFORE, it is agreed by and between the parties as follows:

1. The Bachelor of Science in Technology degree majoring in Construction Management (CM) or a Bachelor of Science in Engineering Technology degree majoring in Construction Engineering Technology (ConstET) may be earned through the College of Technology's School of Construction at Pittsburg State University.
2. The secondary student will attain concentrator status through successful completion of his/her high school Career Cluster Pathway sequence of courses utilizing the National Center for Construction Education and Research (NCCER) construction curriculum.
3. Pittsburg State University will provide the courses listed on the attached degree program guides.
4. Pittsburg State University grants credit by examination in order to enable a student to demonstrate that a body of knowledge or skill has been attained through an NCCER nationally recognized construction curriculum program. Details of this AGREEMENT are outlined below:
  - a. Students successfully passing the NCCER Core Curriculum shall:
    1. Provide Pittsburg State University with proof of passing the NCCER Core Curriculum and be listed in the NCCER Automated National Registry.
    2. Provide Pittsburg State University with a copy of the student's high school transcript indicating the grade received for the NCCER Core Curriculum.
    3. Acceptance of the documentation by the Pittsburg State University School of Construction Director will result in the student receiving credit by exam for the CMCET 234 The Construction Industry - 3 credit hour course. The student's grade earned for the NCCER Core Curriculum course will be posted by the Pittsburg State University Registrar for the CMCET 234 The Construction Industry course.
  - b. Students successfully passing the NCCER Carpentry Level 1 Curriculum shall:
    1. Provide Pittsburg State University with proof of passing the NCCER Carpentry Level 1 Curriculum and be listed in the NCCER Automated National Registry.

- 2. Provide Pittsburg State University with a copy of the student's high school transcript indicating the grade received for the NCCER Carpentry Level 1 Curriculum.
- 3. Acceptance of the documentation by the Pittsburg State University School of Construction Director will result in the student receiving credit by exam for the CMCET 235 Method of Construction - Light Frame & Finishes - 2 credit hour course. The student's grade earned for the NCCER Carpentry Level 1 course will be posted by the Pittsburg State University Registrar for the CMCET 235 Methods of Construction - Light Frame & Finishes course.
- c. Students earning credit by examination must be enrolled at Pittsburg State University as a full-time student in the School of Construction. Course credit approved by the PSU School of Construction Director will be posted at the end of the student's first semester, subject to the completion of a full-time course schedule in either the construction management or construction engineering technology program.
- d. This AGREEMENT provides for a smooth transition into the School of Construction degree programs and college credit as outlined above.
- 5. Pittsburg State University and any high schools offering the approved Career Cluster Pathway may advertise the programs and will jointly advise the students that this option is available to them.
- 6. This AGREEMENT may be revised/modified as needed, or in the event of cancellation, discontinuance or disapproval of any course or pathway by the Kansas State Department of Education or the Kansas Board of Regents.
- 7. Pittsburg State University agrees to evaluate this program on an annual basis and in the context of student benefits, program efficiency, and effectiveness.
- 8. This AGREEMENT shall begin with the 2013 - 2014 academic school year
- 9. This agreement is subject to change or cancellation by the Legislature at any time in accordance with Article 6, Section 5 of the Kansas Constitution.
- 10. For additional information regarding the above please contact the Pittsburg State University - School of Construction at 620-235-6555.

IN WITNESS WHEREOF, the parties accept and approve this AGREEMENT.

  
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 KSDE Representative

1-22-13  
 \_\_\_\_\_  
 Date

  
 \_\_\_\_\_  
 Pittsburg State University Representative

1.15.2013  
 \_\_\_\_\_  
 Date



**Pittsburg State University  
Construction Management and  
Construction Engineering Technologies  
Program Guide**

Bachelor of Science in Technology (BST)

**Construction Management**

2011-2013

**MAJOR REQUIREMENTS\***

**Technical Specialties (51 hours)**

CMCET133	Construction Graphics	3	___
CMCET234	The Construction Industry	3	___
CMCET235	Meth. of Const. – Lt. Fr. & Finishes	2	___
CMCET330	Mechanical Systems (HVAC)	3	___
CMCET331	Electrical Systems	3	___
CMCET333	Theory of Structures	3	___
CMCET337	Const Materials Testing & Insp.	2	___
CMCET334	Meth. of Const. – Sitework & Steel	3	___
CMCET335	Meth. of Const. – Concrete & Mas.	3	___
CMCET350	Mechanical Systems (Plumbing)	2	___
CMCET434	Civil Construction	3	___
CMCET537	Construction Surveying I	3	___
CMCET631	Construction Estimating I	3	___
CMCET634	Construction Management	3	___
CMCET635	Contract Administration	3	___
CMCET639	Construction Estimating II	2	___
CMCET690	Prof. Cons. Certification Seminar	1	___
CMCET691	Senior Project	3	___

**Emphases (12 hours)(choose one emphasis)**

- Company Management Emphasis
- Field Management Emphasis
- Residential Construction Emphasis
- Safety Management Emphasis
- Civil Construction Emphasis
- BIM Emphasis

See corresponding Emphasis Program Guide for more information

**Support Courses (18 hours)**

CMCET200/300/400	Cooperative Education	3	___
MATH 113	College Algebra (See Gen. Ed.)	3	___
MATH 122	Plane Trigonometry	3	___
ENGL 301	Technical/Professional Writing	3	___
CMCET530	Construction Cost Management	3	___
EST 396	Intro to Construction Safety	3	___
EST 696	Construction Safety	3	___
	Approved Technical Elective	3	___

#Approved Leadership courses include:

LDSP	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.

Modified 11/07/12

**GENERAL EDUCATION**

**48 HOURS**

Basic Skills (12 hours)

ENGL 101	English Composition	3	___
ENGL 190	Honors English Composition	OR	
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	OR	4	___
	Other approved Natural Science course			

Physical Sciences

PHYS 171 & 172	Physical Science & Lab	OR	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)

ECON 191	Issues in Today's Economy	3	___
	Or ECON 201 or ECON 202		
ACCTG201	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	OR	1	___
	Other approved Physical Well-being course			

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

History	3	___
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Literature	3	___
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Philosophy	3	___
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**Summary:**

Technical Specialties	51	___
Required Emphasis	12	___
Support Courses	18	___
General Education	48	___

**TOTAL**

**129 hours**



**Pittsburg State University**  
**Construction Management and**  
**Construction Engineering Technologies**  
**Program Guide**  
**Bachelor of Science in Engineering Technology (BSET)**  
**Construction Engineering Technology**  
**2012 - 2013**

**MAJOR REQUIREMENTS\***

**Technical Specialties (60 hours)**

CMCET 133	Construction Graphics	3	___
CMCET 234	The Construction Industry (See Gen. Ed.)		
CMCET 235	Meth. of Construction- Light Frame & Finishes	2	___
CMCET 330	Mechanical Systems (HVAC)	3	___
CMCET 331	Electrical Systems	3	___
CMCET 334	Methods of Construction - Sitework & Steel	3	___
CMCET 335	Methods of Construction - Concrete & Masonry	3	___
CMCET 337	Const. Materials Testing & Insp.	2	___
CMCET 350	Mechanical Systems (Plumbing)	3	___
CMCET 431	Structural Design -- Loads	1	___
CMCET 434	Civil Construction	3	___
CMCET 530	Construction Cost Management	3	___
CMCET 536	Temporary Structures	2	___
CMCET 537	Construction Surveying I	3	___
CMCET 631	Construction Estimating I	3	___
CMCET 632	Steel & Wood Structures	3	___
CMCET 633	Concrete Structures	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	Professional Construction Certification Seminar	1	___
CMCET 691	Senior Project	3	___

**Support Courses (27 -28 hours)**

PHYS 101/131 or 105/132	OR		
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.)		
EST 396	Intro to Construction Safety	3	___
CMCET 200/300/400	Cooperative Education	OR	
#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.

Updated 11/07/12

**GENERAL EDUCATION**

**43 HOURS**

**Basic Skills (12 hours)**

ENGL 101	English Composition	3	___
ENGL 190	Honors English Composition	OR	
ENGL 299	Introduction to Research Writing	3	___
MATH 143	Elementary Statistics	3	___
COMM 207	Speech Communication	3	___

**General Education Electives (30-36 hours)**

**Sciences (9-10 hours)**

**Natural Sciences**

BIOL 111	General Biology	AND	3	___
BIOL 112	General Biology Lab		2	___
BIOL 113	Environmental Life Science	OR	4	___

Other approved Natural Science course

**Physical Sciences**

PHYS 100	College Physics I	OR		
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 (2-5 hours)**

Approved Aesthetic Studies course	OR			
Approved Cultural Studies course			3	___

**Health & Well-being (4-6 hours)**

**Psychological**

PSYCH 155	General Psychology		3	___
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**Physical**

HHP 150	Lifetime Fitness Concepts	OR	1	___
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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	42 - 48	___
Technical Specialties	60	___
Support Courses	27 - 28	___
<b>TOTAL</b>	<b>129 to 136 hours</b>	

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.