

**2011 – 2012 PETITION/PROGRAM SHEET**  
**Degree: Bachelor of Science**  
**Major: Construction Management**

**About This Major . . .**

Construction managers plan, direct, and coordinate a wide variety of construction projects, including the building of all types of residential, commercial and industrial structures, roads, and bridges. They are salaried or self-employed managers who oversee construction supervisors and workers. Construction managers coordinate and supervise the construction process from the conceptual development stage through final construction, insuring the project is completed on time and within budget. They are also responsible for the safety of the work environment. Graduates of the Construction Management program will possess an OSHA 10-hour safety card upon graduation.

Potential majors must be comfortable with mathematics, technical instruction, physical science, computers, and software programs. They should work well under pressure and have good oral and written communication skills. They are managers of processes and people and must excel in both technical and human interaction skills.

**POLICIES:**

1. It is your responsibility to determine whether you have met the requirements for your degree. Please see the Catalog for a complete list of graduation requirements.
2. You must turn in your "Intent to Graduate" form to the Registrar's Office **by September 15 if you plan to graduate the following May, and by February 15 if you plan to graduate the following December.**
3. This program sheet must be submitted with your graduation planning sheet to your advisor during the **semester prior to the semester of graduation, no later than October 1 for spring graduates, no later than March 1 for fall graduates.**
4. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the Department Head for signature.
5. Finally, the Department Head or the department administrative assistant will take the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
6. If your petition for graduation is denied, it will be your responsibility to reapply for graduation in a subsequent semester. Your "Intent to Graduate" does not automatically move to a later graduation date.
7. NOTE: The semester before graduation, you will be required to take a Major Field Achievement Test (exit exam).

**NAME:** \_\_\_\_\_ **STUDENT ID #** \_\_\_\_\_

**LOCAL ADDRESS AND PHONE NUMBER:** \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_

I, (Signature) \_\_\_\_\_, hereby certify that I have completed (or will complete) all the courses listed on the Program Sheet. I further certify that the grade listed for those courses is the final course grade received except for the courses in which I am currently enrolled and the courses which I complete next semester. I have indicated the semester in which I will complete these courses.

\_\_\_\_\_  
 Signature of Advisor Date \_\_\_\_\_ 20\_\_\_\_

\_\_\_\_\_  
 Signature of Department Head Date \_\_\_\_\_ 20\_\_\_\_

\_\_\_\_\_  
 Signature of Registrar Date \_\_\_\_\_ 20\_\_\_\_

**Students should work closely with a faculty advisor when selecting and scheduling courses prior to registration.**

**Degree Requirements:**

- 120 semester hours total (A minimum of 28 taken at CMU)
- 40 upper division credits (A minimum of 15 taken within the major at CMU)
- 2.00 cumulative GPA or higher in all CMU coursework
- 2.00 cumulative GPA or higher in coursework toward the major content area
- When filling out the program sheet a course can be used only once.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- A student must follow the CMU graduation requirements either from 1) the program sheet for the major in effect at the time the student officially declares a major; or 2) a program sheet for the major approved for a year subsequent to the year during which the student officially declares the major and is approved for the student by the department head. Because a program may have requirements specific to the degree, the student should check with the faculty advisor for additional criteria. It is the student's responsibility to be aware of, and follow, all requirements for the degree being pursued. Any exceptions or substitutions must be approved by the student's faculty advisor and Department Head.
- See the "Undergraduate Graduation Requirements" in the catalog for additional graduation information.

**GENERAL EDUCATION REQUIREMENTS** (31 Semester Hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is on the general education list of options and a requirement for your major, you must use it to fulfill the major requirement and make a different selection within the general education requirement.

Course No Title Sem.hrs Grade Term/Trns

**English** (6 semester hours, must receive a grade of "C" or better and must be completed by the time the student has 60 semester hours.)

ENGL 111 English Composition 3 \_\_\_\_\_  
 ENGL 112 English Composition 3 \_\_\_\_\_

**Math:** MATH 113 or higher (3 semester hours, must receive a grade of "C" or better, must be completed by the time the student has 60 semester hours.)

MATH 113 4\* \_\_\_\_\_

\*3 credits apply to the General Ed requirements and 1 credit applies to elective credit

**Humanities** (3 semester hours)

\_\_\_\_\_

**Social and Behavioral Sciences** (6 semester hours)

ECON 201 Principles of Macroeconomics 3 \_\_\_\_\_  
 ECON 202 Principles of Microeconomics 3 \_\_\_\_\_

**History** (3 semester hours)

HIST \_\_\_\_\_

**Fine Arts** (3 semester hours)

\_\_\_\_\_

Course No Title Sem.hrs Grade Term/Trns

**Natural Sciences** (7 semester hours, one course must include a lab)

PHYS 111 General Physics 4\* \_\_\_\_\_  
 PHYS 111L General Physics Lab 1\* \_\_\_\_\_  
 PHYS 112 General Physics 4\* \_\_\_\_\_  
 PHYS 112L General Physics Lab 1\* \_\_\_\_\_

\*7 credits apply to the General Ed requirements and 3 credits apply to elective credit

**OTHER LOWER DIVISION REQUIREMENTS** (6 semester hours)

**Kinesiology** (3 semester hours)

KINE 100 Health and Wellness 1 \_\_\_\_\_  
 KINA 1 \_\_\_\_\_ 1 \_\_\_\_\_  
 KINA 1 \_\_\_\_\_ 1 \_\_\_\_\_

**Applied Studies** (3 semester hours)

SPCH 102 Speechmaking 3 \_\_\_\_\_

**CONSTRUCTION MANAGEMENT MAJOR REQUIREMENTS**

(69 semester hours required to meet ACCE Accreditation)

**Required Core** (36 semester hours)

ACCT 201 Prin. of Financial Accounting 3 \_\_\_\_\_  
 BUGB 349 Legal Environment of Business 3 \_\_\_\_\_  
 \*FINA 301 Managerial Finance 3 \_\_\_\_\_  
 STAT 200 Probability and Statistics 3 \_\_\_\_\_  
 MANG 371 Human Resource Management 3 \_\_\_\_\_  
 MATH 141 Analytical Geometry 3 \_\_\_\_\_  
 CONC 101 Construction Safety and Regs. 3 \_\_\_\_\_  
 CONC 116 Building Materials 3 \_\_\_\_\_  
 CONC 161 Building Mechanical and Electrical 3 \_\_\_\_\_  
 CONC 208 Construction Equipment 3 \_\_\_\_\_  
 CONC 218 Surveying 3 \_\_\_\_\_  
 CONC 251 Construction Preparation (Codes, Permits, etc.) 3 \_\_\_\_\_

\*STAT 200 will be accepted as the prerequisite.

**Required Concentration Courses** (33 semester hours)

CONM 181 Principles of Const. Management 3 \_\_\_\_\_  
 CONM 316 Construction Materials and Methods 3 \_\_\_\_\_  
 CONM 340 Advanced Construction Estimating/Bidding 3 \_\_\_\_\_  
 CONM 361 Advanced Building Systems 3 \_\_\_\_\_  
 CONM 362 Structural Analysis-Statics/ Materials Strength 3 \_\_\_\_\_  
 CONM 370 Managing Safety and the Regulatory Environment 3 \_\_\_\_\_  
 CONM 401 Construction Financial Management 3 \_\_\_\_\_  
 CONM 462 Soil and Foundation Construction 3 \_\_\_\_\_  
 CONM 472 Planning and Scheduling 3 \_\_\_\_\_  
 CONM 480 Project Management (Capstone) 3 \_\_\_\_\_  
 CONM 485 Construction Management Issues 3 \_\_\_\_\_

Course No Title	Sem.hrs	Grade	Term/Trns	Course No Title	Sem.hrs	Grade	Term/Trns
<b>Electives</b> (All college level courses appearing on your final transcript, <b>not listed above</b> that will bring your total semester hours to 120 hours.) (14 semester hours; 1 hours must be 300 or 400 level)				§CADT 106 Computer Aided Design	3	_____	_____
Course No Title				§CONC 270 Practical Applications	4	_____	_____
Sem.hrs				§CONM 499 Internship in Construction Management	3	_____	_____
Grade				§Strongly Recommended.			
Term/Trns							
*MATH 113 College Algebra	1	_____	_____				
*PHYS 112 General Physics	2	_____	_____				
*PHYS 112L General Physics Lab	1	_____	_____				

## SUGGESTED COURSE SEQUENCING FOR A MAJOR IN CONSTRUCTION MANAGEMENT

### FRESHMAN YEAR

<b>Fall Semester</b>		<b>Hours</b>	<b>Spring Semester</b>		<b>Hours</b>
General Education Humanities		3	Humanities or Social/Behavioral Sciences		3
ENGL 111 English Composition		3	ENGL 112 English Composition		3
CONC 101 Construction Safety and Regulations		3	CONC 161 Building Mechanical/Electrical		3
MATH 113 College Algebra		4	CONM 181 Principles of Const. Management		3
CONC 116 Building Materials		<u>3</u>	Elective (suggest CADT 106)		<u>3</u>
		16			15

### SOPHOMORE YEAR

<b>Fall Semester</b>		<b>Hours</b>	<b>Spring Semester</b>		<b>Hours</b>
ECON 201 Principles of Macroeconomics		3	ECON 202 Principles of Microeconomics		3
ACCT 201 Principles of Financial Accounting		3	MATH 141 Analytical Geometry		3
CONC 208 Construction Equipment		3	CONC 218 Surveying		3
PHYS 111 General Physics		4	PHYS 112 General Physics		4
PHYS 111L General Physics Lab		1	PHYS 112L General Physics Lab		1
KINE 100 Health and Wellness		1	CONC 251 Construction Preparation		<u>3</u>
KINA Activity		<u>1</u>			17
		16			

### JUNIOR YEAR

<b>Fall Semester</b>		<b>Hours</b>	<b>Spring Semester</b>		<b>Hours</b>
General Education History		3	SPCH 102 Speechmaking		3
MANG 371 Human Resource Management		3	FINA 301 Managerial Finance		3
CONM 362 Structure Analysis		3	CONM 361 Advanced Building Systems		3
CONM 340 Construction Estimating		3	CONM 370 Managing Safety and the Regulatory Environment		3
CONM 316 Construction Materials/Methods		<u>3</u>	KINA activity		<u>1</u>
		15			13

### SENIOR YEAR

<b>Fall Semester</b>		<b>Hours</b>	<b>Spring Semester</b>		<b>Hours</b>
General Education Fine Arts		3	CONM 472 Planning and Scheduling		3
BUGB 349 Legal Environment of Business		3	CONM 480 Project Management		3
CONM 401 Construction Financial Management		3	CONM 485 Construction Management Issues		3
CONM 462 Soil Foundation Construction		3	CONM 499 Internship		3
Elective		<u>1</u>	Elective		<u>3</u>
		13			15