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.

For more information on what you can do with this major, go to http://www.coloradomesa.edu/career/whatmajor.html.

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All CMU baccalaureate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Apply business knowledge and skills in appropriate business contexts and transfer knowledge and skills to new business situations. (Critical Thinking)
2. Produce professional business work products, independently and working as a team. (Applied Learning)
3. Communicate clearly, appropriately, and persuasively to the business audience, both orally and in writing. (Communication Fluency)
4. Integrate knowledge from multiple functional areas of business to solve business problems and to develop sound business strategies. (Specialized Knowledge)
5. Analyze business data critically, reason logically, and apply quantitative analysis methods correctly to develop appropriate business conclusions. (Quantitative Fluency)
6. Properly and appropriately use information systems tools and techniques within functional business areas. (Applied Learning)
7. Identify, formulate, and solve construction related problems by applying mathematics, science, and business principles. (Specialized Knowledge)

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
- C 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)

<table>
<thead>
<tr>
<th>Course No</th>
<th>Title</th>
<th>Sem. hrs</th>
<th>Grade</th>
<th>Term/Trms</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 111</td>
<td>General Physics</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 111L</td>
<td>General Physics Lab</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 112</td>
<td>General Physics</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 112L</td>
<td>General Physics Lab</td>
<td>1</td>
<td></td>
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</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Course No</th>
<th>Title</th>
<th>Sem. hrs</th>
<th>Grade</th>
<th>Term/Trms</th>
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</thead>
<tbody>
<tr>
<td>KINE 100</td>
<td>Health and Wellness</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KINA 1</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
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<tr>
<td>KINA 1</td>
<td></td>
<td>1</td>
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</tbody>
</table>

Applied Studies (3 semester hours)
SPCH 102  Speechmaking 3  

*FOUNDATION COURSES* (24 semester hours)

<table>
<thead>
<tr>
<th>Course No</th>
<th>Title</th>
<th>Sem. hrs</th>
<th>Grade</th>
<th>Term/Trms</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 201</td>
<td>Prin. of Financial Accounting</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STAT 200</td>
<td>Probability and Statistics</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 141</td>
<td>Analytical Geometry</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONC 101</td>
<td>Construction Safety and Regs.</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>CONC 116</td>
<td>Building Materials</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONC 161</td>
<td>Building Mechanical and Electrical</td>
<td>3</td>
<td></td>
<td></td>
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<tr>
<td>CONC 208</td>
<td>Construction Equipment</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONC 218</td>
<td>Surveying</td>
<td>3</td>
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</table>

*CONSTRUCTION MANAGEMENT MAJOR REQUIREMENTS* (45 semester hours)

**Required Core** (12 semester hours)
BUGB 349 Legal Environment of Business 3  
**FINA 301** Managerial Finance 3  
MANG 371 Human Resource Management 3  
CONN 264 Mech. and Indus. Systems 3  

**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  

**STAT 200 or CISB 241 will be accepted as the prerequisite.**

**LAST LOWER DIVISION REQUIREMENTS**

**Electives** (All college level courses appearing on your final transcript, not listed above that will bring your total semester hours to 120 hours.)
(14 semester hours; 1 hour must be 300 or 400 level)

<table>
<thead>
<tr>
<th>Course No</th>
<th>Title</th>
<th>Sem. hrs</th>
<th>Grade</th>
<th>Term/Trms</th>
</tr>
</thead>
<tbody>
<tr>
<td>*MATH 113</td>
<td>College Algebra</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*PHYS 112</td>
<td>General Physics</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*PHYS 112L</td>
<td>General Physics Lab</td>
<td>1</td>
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Bachelor of Science: Construction Management  
Posted 6/1/13  
2013-2014 Program Sheet, Page 2 of 3
SUGGESTED COURSE SEQUENCING FOR A MAJOR IN CONSTRUCTION MANAGEMENT

FRESHMAN YEAR

Fall Semester
General Education Humanities 3
ENGL 111 English Composition 3
CONC 101 Construction Safety and Regulations 3
MATH 113 College Algebra 4
CONC 116 Building Materials 3

Spring Semester
Fall Semester
ENGL 112 English Composition 3
CONC 161 Building Mechanical/Electrical 3
CONM 181 Principles of Const. Management 3
Elective (suggest CADT 106) 3

SOPHOMORE YEAR

Fall Semester
ECON 201 Principles of Macroeconomics 3
ACCT 201 Principles of Financial Accounting 3
CONC 208 Construction Equipment 3
PHYS 111 General Physics 4
PHYS 111L General Physics Lab 1
KINE 100 Health and Wellness 1
KINA Activity 1

Spring Semester
ECON 202 Principles of Microeconomics 3
MATH 141 Analytical Geometry 3
CONC 218 Surveying 3
PHYS 112 General Physics 4
PHYS 112L General Physics Lab 1
CONM 264 Mechanical & Industrial Systems 3

JUNIOR YEAR

Fall Semester
General Education History 3
MANG 371 Human Resource Management 3
CONM 362 Structure Analysis 3
CONM 340 Construction Estimating 3
CONM 316 Construction Materials/Methods 3
KINA activity 1

Spring Semester
SPCH 102 Speechmaking 3
FINA 301 Managerial Finance 3
CONM 370 Managing Safety and the Regulatory Environment 3
BUGB 349 Legal Environment of Business 3

SENIOR YEAR

Fall Semester
General Education Fine Arts 3
CONM 401 Construction Financial Management 3
CONM 472 Planning and Scheduling 3
CONM 485 Construction Management Issues 3
Elective 1

Spring Semester
CONM 462 Soil Foundation Construction 3
CONM 480 Project Management 3
CONM 499 Internship 3
Elective 3

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).