BS in CONSTRUCTION AND FACILITIES MANAGEMENT: Construction Management Emphasis (396521) MAP Sheet
School of Technology
For students entering the degree program during the 2014–2015 curricular year.

<table>
<thead>
<tr>
<th>UNIVERSITY CORE AND GRADUATION REQUIREMENTS</th>
<th>PROGRAM REQUIREMENTS (90 total hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UNIVERSITY CORE REQUIREMENTS</strong></td>
<td><strong>Complete the following courses:</strong></td>
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<td><strong>Requirements</strong></td>
<td><strong>Complete the following supporting courses:</strong></td>
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<tr>
<td><strong>Doctrinal Foundation</strong></td>
<td><strong>Acc</strong> 200* Principles of Accounting 3.0</td>
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<tr>
<td>Book of Mormon</td>
<td><strong>CFM 105 Intro to Constr. &amp; Facilities Management 3.0</strong></td>
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<tr>
<td>New Testament</td>
<td><strong>CFM 155 Construction Modeling 3.0</strong></td>
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<tr>
<td>Doctrine and Covenants</td>
<td><strong>CFM 210 Light Structural Systems 3.0</strong></td>
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<tr>
<td>2</td>
<td><strong>CFM 241 Electrical Systems in Construction 2.0</strong></td>
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<tr>
<td>2.0</td>
<td><strong>CFM 311 Quantity Takeoffs 4.0</strong></td>
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<tr>
<td>2</td>
<td><strong>CFM 320 Mechanical Systems 3.0</strong></td>
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<td>2.0</td>
<td><strong>CFM 385 Construction Contracts and Law 3.0</strong></td>
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<tr>
<td><strong>The Individual and Society</strong></td>
<td><strong>CFM 412 Construction Scheduling and Cost Control 3.0</strong></td>
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<tr>
<td>Citizenship</td>
<td><strong>CFM 415 Construction Project Mgt and Control 3.0</strong></td>
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<tr>
<td>American Heritage</td>
<td><strong>CFM 426 Real Estate Principles and Development 4.0</strong></td>
</tr>
<tr>
<td>1–2</td>
<td><strong>CFM 445 Construction Company Operations &amp; Mgt. 3.0</strong></td>
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<tr>
<td>Global &amp; Cultural Awareness</td>
<td><strong>CFM 460 Sustainability &amp; Regulatory Building 3.0</strong></td>
</tr>
<tr>
<td>1</td>
<td><em><em>Eng T 231</em> Foundations of Global Leadership 3.0</em>*</td>
</tr>
<tr>
<td><strong>Skills</strong></td>
<td><strong>Fin 201 Principles of Finance 3.0</strong></td>
</tr>
<tr>
<td>Effective Communication</td>
<td><em><em>Math 111</em> Trigonometry 2.0</em>*</td>
</tr>
<tr>
<td>First-Year Writing</td>
<td><em><em>Stat 121</em> Principles of Statistics 3.0</em>*</td>
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<tr>
<td>1</td>
<td><strong>Complete one course from the following:</strong></td>
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<tr>
<td>Adv Written &amp; Oral Communication</td>
<td><em><em>Engl 316</em> Technical Communication 3.0</em>*</td>
</tr>
<tr>
<td>1</td>
<td><em><em>MCom 320</em> Commun. in Organizational Settings 3.0</em>*</td>
</tr>
<tr>
<td>Quantitative Reasoning</td>
<td><strong>Complete the following:</strong></td>
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<tr>
<td>0–1</td>
<td><strong>CFM 191 New C&amp;F Manag. Student Seminar 0.5</strong></td>
</tr>
</tbody>
</table>
| 0–3.0                                       | **Complete four enrollments of the following (cannot**
| Languages of Learning (Math or Language)     | **be taken the same semester as CFM 191 or 491):** |
| 1                                            | **CFM 29R Undergraduate Seminar 0.5** |
| 3.0                                          | **Complete the following during the next-to-last**
| **Arts, Letters, and Sciences**              | **semester before graduation:** |
| Civilization 1 and 2                         | **CFM 491 Senior Seminar 0.5** |
| 2                                            | **Complete department packet and exit interview.** |
| 3.0                                          | **Students in the Construction and Facilities** |
| Arts                                         | Management program must attend BYU during the**
| 1                                            | **spring or summer term, taking two required CFM**
| Letters                                      | **courses.** |
| 3.0                                          | **Students must complete 300 hours of preapproved**
| **Scientific Principles & Reasoning**        | **construction/facilities-related work after declaring**
| Biological Science                           | **the major, and must submit a report during the**
| 1–2                                          | **CFM 491 class.** |
| 3–5.0                                        | **Complete department packet and exit interview.** |
| Physical Science                             | **Students in the Construction and Facilities** |
| 1                                            | Management program must attend BYU during the**
| 3.0                                          | **spring or summer term, taking two required CFM**
| CMB 302*                                     | **courses.** |
| Social Science                               | **Students must complete 300 hours of preapproved**
| 1                                            | **construction/facilities-related work after declaring**
| 6.0                                          | **the major, and must submit a report during the**
| Econ 110* & Eng T 231*                       | **CFM 491 class.** |
| **Core Enrichment: Electives**               | **Complete department packet and exit interview.** |
| Religion Electives                           | **Students in the Construction and Facilities** |
| 3–4                                          | Management program must attend BYU during the**
| 6.0                                          | **spring or summer term, taking two required CFM**
| **GRADUATION REQUIREMENTS:**                 | **courses.** |
| Minimum residence hours required             | **Students must complete 300 hours of preapproved**
| 30.0                                         | **construction/facilities-related work after declaring**
| Minimum hours needed to graduate             | **the major, and must submit a report during the**
| 120.0                                        | **CFM 491 class.** |

*THESE CLASSES FILL BOTH UNIVERSITY CORE AND PROGRAM REQUIREMENTS (19 hours overlap)
Suggested Sequence of Courses:

FRESHMAN YEAR
1st Semester
Wrtg 150 or A Htg 100*  3.0
Civ 1  3.0
Civ 11  3.0
Rel A 121 (FWSpSu)  2.0
Religion elective  2.0
Total Hours  15.0

2nd Semester
Stat 121  3.0
Wrtg 150 or A Htg 100  3.0
Acc 200  3.0
Rel A 122 (FWSpSu)  2.0
Arts or Letters  3.0
CFM 191  0.5
Total Hours  14.5

SOPHOMORE YEAR
3rd Semester
CFM 385  3.0
CFM 291R  0.5
Fin 201  3.0
CFM 155  3.0
CFM 210  3.0
Eng T 231  3.0
Total Hours  15.5

4th Semester
CFM 291R (FW)  0.5
CFM 426  4.0
CFM 411  4.0
CFM 415  3.0
CFM 460  3.0
Rel A 211 or 212  2.0
Total Hours  12.5

JUNIOR YEAR
5th Semester
CE En 113  3.0
CFM 412  3.0
CFM 241  2.0
CFM 291R (FW)  0.5
CFM 302  4.0
CFM 217  3.0
Total Hours  15.5

6th Semester
CFM 391R (FW)  0.5
CFM 426  4.0
CFM 411  4.0
CFM 415  3.0
CFM 460  3.0
Rel A 211 or 212  2.0
Total Hours  16.5

SENIOR YEAR
7th Semester
CFM 350 or TMA 150  3.0
CFM 425  3.0
CFM 445  3.0
CFM 491R (F)  0.5
CFM 416R  1.0
Religion elective  2.0
Total Hours  12.5

8th Semester
CFM 291R (FW)  0.5
CFM 426 (FW)  4.0
CFM 385  3.0
FPM 460  3.0
CFM 417 or CFM 418  1.0
Religion elective  2.0
Total Hours  13.5

*Hist 220 or Pl Sc 110 combined with the required Econ 110 course can fill the American Heritage requirement.

THE DISCIPLINE:
Construction Management is the business of managing projects. It is a rapidly growing field that requires technical expertise and the ability to work with people and there is increasing demand in the industry for capable graduates. Construction management offers an exciting career that requires abilities in business management, architecture, engineering, and construction technology.

ACADEMIC QUALITY:
Facilities - The department utilizes the most advanced and innovative construction related university computer laboratories in the nation. Facilities for construction technologies, CAC, and other related areas are also high quality.
Special programs - The CM program is involved in a variety of special activities during the year.

- National Student Construction Management competition- National Association of Home Builders.
- National and Regional Student Construction Management competition - Associated Schools of Construction.
- Other community service projects (Highway cleanup, Parade of Homes, etc.).
- Habitat for Humanity.

Faculty expertise - The program has eight faculty members with a wide range of interests and expertise. All faculty have experience in industry. Three faculty have a nationwide reputation in project management (scheduling) and estimating. Graduating majors commonly comment that the faculty offer excellent program advisement, are friendly and have personal interest in them as students. Many of the faculty are involved in writing for professional and academic journals and in making presentations at regional and national conventions.

PROFESSIONAL AND HONOR SOCIETIES:

INTERNSHIP EXPERIENCES:
Internships, and practical experience are all required. One of the hallmarks of the program is the 300 hr. practical application of skills and technologies. Pre-professional training - Construction Management is an ideal course for pre-architectural, business, and law students.

FINANCING:
Scholarships are available for CM Professional. Also a number of upper-division students are hired as laboratory assistants and teaching assistants.

CAREERS:
Graduates find employment in a variety of construction-industry-related positions. Typical position titles are superintendent, estimator, scheduler, field engineer, general contractor, safety engineer, project manager, procurement manager, project engineer, cost controller, site analyst, etc. Alumni find they are qualified for employment in all types of construction. It is a broad-based program that provides the training and experience needed for several occupational opportunities.
This major is also excellent preparation for students desiring graduate study in architecture, business management, or construction law.

GRADUATE SCHOOL:
There will be increasing need for construction managers at all levels. These managers should possess advanced skills in management because of the increased interest in a Construction Management advanced degree, BYU’s CM program has a CM Master’s degree.

Note: Students are encouraged to complete an average of 15–16 credit hours each semester or 30–32 credit hours each year, which includes including and/or summer terms. Taking fewer credits substantially increases the cost and the number of semesters to graduate.