## University Core and Graduation Requirements

### University Core Requirements:

<table>
<thead>
<tr>
<th>Requirements</th>
<th>#Classes</th>
<th>Hours</th>
<th>Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religion Cornerstones</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Teachings and Doctrine of The Book of Mormon</td>
<td>1</td>
<td>2.0</td>
<td>REL A 275</td>
</tr>
<tr>
<td>Jesus Christ and the Everlasting Gospel</td>
<td>1</td>
<td>2.0</td>
<td>REL A 250</td>
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<tr>
<td>Foundations of the Restoration</td>
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<td>2.0</td>
<td>REL C 225</td>
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<tr>
<td>The Eternal Family</td>
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<td>REL C 200</td>
</tr>
<tr>
<td>The Individual and Society</td>
<td></td>
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</tr>
<tr>
<td>American Heritage</td>
<td></td>
<td>3.0</td>
<td>CCE 231*</td>
</tr>
<tr>
<td>Global and Cultural Awareness</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Skills</td>
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<td></td>
</tr>
<tr>
<td>First Year Writing</td>
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</tr>
<tr>
<td>Advanced Written and Oral Communications</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Quantitative Reasoning</td>
<td>1</td>
<td>3.0</td>
<td>ACC 200*</td>
</tr>
<tr>
<td>Languages of Learning (Math or Language)</td>
<td>1</td>
<td>3.0</td>
<td>STAT 121*</td>
</tr>
<tr>
<td>Arts, Letters, and Sciences</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Civilization 1</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Civilization 2</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Arts</td>
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<tr>
<td>Letters</td>
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<td>3.0</td>
<td>from approved list</td>
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<tr>
<td>Biological Science</td>
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<td>from approved list</td>
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<tr>
<td>Physical Science</td>
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<td>3.0</td>
<td>from approved list</td>
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<tr>
<td>Social Science</td>
<td>1</td>
<td>3.0</td>
<td>CCE 231*</td>
</tr>
<tr>
<td>Core Enrichment: Electives</td>
<td>3-4</td>
<td>6.0</td>
<td>from approved list</td>
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<tr>
<td>Religion Electives</td>
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<td>2.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Open Electives</td>
<td>Variable</td>
<td></td>
<td>personal choice</td>
</tr>
</tbody>
</table>

### Graduation Requirements:

- Minimum residence hours required: 30.0
- Minimum hours needed to graduate: 120.0

### Suggested Sequence of Courses

#### FRESHMAN YEAR

- **1st Semester**
  - CCE 101: 1.0
  - CFM 110: 3.0
  - American Heritage: 3.0
  - MATH 111: 2.0
  - BIO GE: 3.0
  - Religion Cornerstone course: 2.0
  - Total Hours: 14.0

- **2nd Semester**
  - CFM 105: 3.0
  - CCE 170: 3.0
  - CFM 199R: 1.0
  - CFM 120: 3.0
  - WRTG 150: 3.0
  - Religion Cornerstone course: 2.0
  - Total Hours: 15.0

#### SOPHOMORE YEAR

- **3rd Semester**
  - CFM 291R: 0.5
  - CCE 201: 2.0
  - CCE 112 or CCE 113: 3.0
  - CFM 241: 3.0
  - CFM 311: 3.0
  - CCE 231: 3.0
  - Religion Cornerstone course: 2.0
  - Total Hours: 16.5

- **4th Semester**
  - CFM 291R: 0.5
  - Elective: 3.0
  - CFM 320: 3.0
  - STAT 121: 3.0
  - ACCT 201: 3.0
  - Religion Cornerstone course: 2.0
  - Total Hours: 15.5

#### JUNIOR YEAR

- **5th Semester**
  - CFM 291R: 0.5
  - CFM 330: 3.0
  - Elective: 3.0
  - CMF 345: 3.0
  - Religion Elective: 2.0
  - Total Hours: 14.5

- **6th Semester**
  - CFM 291R: 0.5
  - CFM 412: 3.0
  - CFM 415: 3.0
  - WRTG 316: 3.0
  - Religion Elective: 2.0
  - Total Hours: 14.5

- **SENIOR YEAR**

- **7th Semester**
  - CFM 291R: 0.5
  - Elective: 3.0
  - CFM 445: 3.0
  - HRM 402: 3.0
  - WRTG 316: 3.0
  - Religion Elective: 2.0
  - Total Hours: 15.5

- **8th Semester**
  - CFM 291R: 0.5
  - Elective: 3.0
  - CFM 445: 3.0
  - HRM 402: 3.0
  - Religion Elective: 2.0
  - Total Hours: 15.5

### Notes

- Hist 220 or Pl Sc 110 combined with the required Econ 110 course can fill the American Heritage requirement.
- Students are encouraged to complete an average of 16–17 credit hours each semester or 32–33 credit hours each year, which could include spring and/or summer terms. Taking fewer credits substantially increases the cost and the number of semesters to graduate.

*For University Core Questions Contact the College Advisement Center in 246 EB*

*For Program Questions See Advisor in 230 SNLB*

*These classes fill both University Core and Program Requirements (15 hours overlap)*
## BS in Construction and Facilities Management: Facility and Property Management (396531)

### 2021-2022 Program Requirements (85 Credit Hours)

### REQUIREMENT 1: Complete 36 courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>*ACC 200</td>
<td>Principles of Accounting</td>
<td>3.0</td>
</tr>
<tr>
<td>CCE 101</td>
<td>Introduction to Civil Engineering and Construction</td>
<td>1.0</td>
</tr>
<tr>
<td>CCE 113</td>
<td>Construction Modeling</td>
<td>3.0</td>
</tr>
<tr>
<td>CCE 170</td>
<td>Computer Methods</td>
<td>3.0</td>
</tr>
<tr>
<td>CCE 201</td>
<td>Sustainable Infrastructure</td>
<td>2.0</td>
</tr>
<tr>
<td>CFM 105</td>
<td>Fundamentals of Construction and Facilities Management</td>
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</tr>
<tr>
<td>CFM 120</td>
<td>Light Structural Systems</td>
<td>3.0</td>
</tr>
<tr>
<td>CFM 241</td>
<td>Electrical Systems in Construction</td>
<td>2.0</td>
</tr>
<tr>
<td>CFM 311</td>
<td>Estimating Processes</td>
<td>3.0</td>
</tr>
<tr>
<td>CFM 320</td>
<td>Mechanical Systems</td>
<td>3.0</td>
</tr>
<tr>
<td>CFM 345</td>
<td>Construction Safety Management</td>
<td>3.0</td>
</tr>
<tr>
<td>CFM 412</td>
<td>Construction Scheduling and Cost Control</td>
<td>3.0</td>
</tr>
<tr>
<td>CFM 415</td>
<td>Construction Project Management and Control</td>
<td>3.0</td>
</tr>
<tr>
<td>CFM 426</td>
<td>Real Estate Principles and Development</td>
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</tr>
<tr>
<td>CFM 445</td>
<td>Construction Company Operations and Management</td>
<td>3.0</td>
</tr>
<tr>
<td>CFM 485</td>
<td>Construction Contracts and Law</td>
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</table>

### REQUIREMENT 2: Complete 1 course

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>*CCE 231</td>
<td>Foundations of Global Leadership</td>
<td>3.0</td>
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</tbody>
</table>

### REQUIREMENT 3: Complete 1 course

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRTG 316</td>
<td>Technical Communication</td>
<td>3.0</td>
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</tbody>
</table>

### REQUIREMENT 4: Complete 2.5 hours from the following course(s)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFM 291R</td>
<td>Undergraduate Seminar</td>
<td>0.5</td>
</tr>
</tbody>
</table>

You may take this course up to 5 times.

### REQUIREMENT 5: Complete 1 course

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFM 491</td>
<td>Senior Seminar</td>
<td>0.5</td>
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</tbody>
</table>

### REQUIREMENT 6: Complete 8 courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFM 110</td>
<td>Fundamentals of Facility and Property Management</td>
<td>3.0</td>
</tr>
<tr>
<td>CFM 330</td>
<td>Advanced Mechanical, Electrical, and Plumbing Systems</td>
<td>3.0</td>
</tr>
<tr>
<td>CFM 340</td>
<td>Operations and Maintenance</td>
<td>3.0</td>
</tr>
<tr>
<td>CFM 400</td>
<td>Managing High Performance Buildings</td>
<td>4.0</td>
</tr>
<tr>
<td>CFM 420</td>
<td>Commercial Real Estate Management</td>
<td>4.0</td>
</tr>
<tr>
<td>HRM 402</td>
<td>Human Resource Management</td>
<td>3.0</td>
</tr>
<tr>
<td>MATH 111</td>
<td>Trigonometry</td>
<td>2.0</td>
</tr>
<tr>
<td>*STAT 121</td>
<td>Principles of Statistics</td>
<td>3.0</td>
</tr>
</tbody>
</table>

### REQUIREMENT 7: Complete 2 courses

**NOTE:** IF CFM 494R IS CHOSEN, AT LEAST 1.0 CREDIT HOUR MUST BE TAKEN.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCE 214</td>
<td>Geomatics</td>
<td>3.0</td>
</tr>
<tr>
<td>CFM 411</td>
<td>Pre-Construction Services</td>
<td>3.0</td>
</tr>
<tr>
<td>CFM 450</td>
<td>Virtual Design &amp; Construction</td>
<td>3.0</td>
</tr>
<tr>
<td>CFM 494R</td>
<td>Special Problems in Construction and Facilities Management</td>
<td>3.0</td>
</tr>
<tr>
<td>FIN 201</td>
<td>Principles of Finance</td>
<td>3.0</td>
</tr>
<tr>
<td>HRM 300</td>
<td>Organizational Behavior</td>
<td>3.0</td>
</tr>
<tr>
<td>MKTG 201</td>
<td>Marketing Management</td>
<td>3.0</td>
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### REQUIREMENT 8: Complete 1 hour from the following course(s)

**COMPLETE TWO CREDIT HOURS OF THE FOLLOWING:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CFM 199R</td>
<td>Technical Internship</td>
<td>1.0</td>
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</tbody>
</table>

### REQUIREMENT 9: Complete 1 hour from the following course(s)

**COMPLETE THREE CREDIT HOURS OF THE FOLLOWING:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFM 399R</td>
<td>Capstone Internship</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Students in the Construction and Facilities Management program must attend BYU during a spring or summer term, taking two required CFM courses.

Students must complete 300 hours of pre-approved construction/facilities-related work after declaring the major and must submit a report during the CFM 491 class.

### REQUIREMENT 10: Complete department packet and exit interview.

**THE DISCIPLINE:**

Facility management is the development and management of all types of real estate, facilities, and properties from original design ideas through the life-cycle of the property.

This emphasis prepares students to manage green/sustainable facilities, commercial/multi-family properties; owner/occupant relations. Graduates combine leadership, financial, real estate investment, facilities and construction knowledge.

**ACADEMIC QUALITY:**

Facilities - The program offers a modern and attractive computer facility. It also capitalizes upon the broad expertise of University faculty and integrates course work from several other departments, and the University Physical Plant.

Special programs - The program enjoys close coordination and cooperation with the national award winning physical plant division of the University. A variety of internships, and special-problem activities can be arranged to augment the experience. Faculty expertise - The program faculty are internationally recognized and have won seven national awards. Because of the broad scope of the program, it incorporates course work from several disciplines and integrates the expertise of University faculty, notably in areas such as the nationally renowned Marriott School of Business and award winning faculty in Construction Management.

Students enjoy a close advisory relationship with the program coordinator.

**PROFESSIONAL AND HONOR SOCIETIES:**

The department sponsors student chapters of the International Facilities Management Association and the Association of Physical Plant Administrators.

**INTERNSHIP EXPERIENCES:**

Internships, education and practical experience are all available and are incorporated into the program. There are a variety of internships opportunities through BYU’s physical plant operation as well as with public and private industry.

**FINANCING:**

Limited scholarships are available. However, the student is able to earn a portion of educational expenses through cooperative education and internships, especially in the later portion of the program.

**CAREER OPPORTUNITIES:**
The program has had great placement within the construction and facilities industry. Graduates find employment in a variety of construction and facilities industry related positions. Typical position titles for the construction emphasis are project engineer, estimator, superintendent, scheduler, general contractor, safety engineer, project manager, project controller, site analyst, etc. Facilities managers are commonly employed by educational institutions, government agencies, manufacturing facilities, health care networks, sports and entertainment entities, real estate brokerage and property management, and all types of general businesses. Alumni find they are qualified for employment in all types of construction and facilities management and related industries. Graduates are prepared to further their education in architecture, business administration, construction management, facility and property management, law, public administration, and real estate.

GRADUATE SCHOOL:

There are graduate programs available in Public Administration, Business Administration, Engineering, Construction Management, or other related fields at a number of universities. In most cases, the employer will sponsor additional required education.

MAP DISCLAIMER

While every reasonable effort is made to ensure accuracy, there are some student populations that could have exceptions to listed requirements. Please refer to the university catalog and your college advisement center/department for complete guidelines.

DEPARTMENT INFORMATION

Civil and Construction Engineering
Brigham Young University
430 Engineering Building
Provo, UT 84602
Telephone: 801-422-2811
Web: http://cce.byu.edu
Email: cce@byu.edu

ADVISEMENT CENTER INFORMATION

Engineering Advisement Center
Brigham Young University
246 Engineering Building
Provo, UT 84602
Telephone: 801-422-4325
Email: engtech-advisement@byu.edu

BS in Construction and Facilities Management: Facility and Property Management (396531)
2021-2022