

BS in CONSTRUCTION AND FACILITIES MANAGEMENT: Facilities Management Emphasis (396531) MAP Sheet

School of Technology

For students entering the degree program during the 2016–2017 curricular year.



UNIVERSITY CORE AND GRADUATION REQUIREMENTS				PROGRAM REQUIREMENTS (81-83 total hours)	
UNIVERSITY CORE REQUIREMENTS				Complete the following courses:	
<u>Requirements</u>	<u>#Classes</u>	<u>Hours</u>	<u>Classes</u>		
Religion Cornerstones				Acc 200* Principles of Accounting	3.0
Teachings and Doctrine, Book of Mormon	1	2.0	Rel A 275	CFM 105 Intro to Constr. & Facilities Management	3.0
Jesus Christ & the Everlasting Gospel	1	2.0	Rel A 250	CFM 155 Construction Modeling	3.0
Foundations of the Restoration	1	2.0	Rel C 225	CFM 210 Light Structural Systems	3.0
The Eternal Family	1	2.0	Rel C 200	CFM 241 Electrical Systems in Construction	2.0
The Individual and Society				CFM 311 Quantity Takeoffs	4.0
Citizenship				CFM 320 Mechanical Systems	3.0
American Heritage	1–2	3–6.0	from approved list	CFM 345 Construction Safety Management	2.0
Global & Cultural Awareness	1	3.0	Eng T 231*	CFM 385 Construction Contracts and Law	3.0
Skills				CFM 400 Managing High Performance Buildings	3.0
Effective Communication				CFM 412 Construction Scheduling and Cost Control	3.0
First-Year Writing	1	3.0	from approved list	CFM 415 Construction Project Mgt and Control	3.0
Adv Written & Oral Communication	1	3.0	M Com 320* or Engl 316*	CFM 426 Real Estate Principles and Development	4.0
Quantitative Reasoning	1	3.0	Acc 200* or Math 111*	CFM 445 Construction Company Operations & Mgt.	3.0
Languages of Learning (Math or Language)	1	3.0	Stat 121*	CFM 460 Sustainability & Regulatory Building	3.0
Arts, Letters, and Sciences				Eng T 231* Foundations of Global Leadership	3.0
Civilization 1 and 2	2	6.0	from approved list	Math 111* Trigonometry	2.0
Arts	1	3.0	from approved list	Stat 121* Principles of Statistics	3.0
Letters	1	3.0	from approved list	Complete one course from the following:	
Scientific Principles & Reasoning				Engl 316* Technical Communication	3.0
Biological Science	1–2	3–5.0	from approved list	MCom 320* Commun. in Organizational Settings	3.0
Physical Science	1–2	3–7.0	from approved list	Complete the following:	
Social Science	1	3.0	Eng T 231*	CFM 191 New C&F Manag. Student Seminar	0.5
Core Enrichment: Electives				Complete four enrollments of the following (cannot be taken the same semester as CFM 191 or 491):	
Religion Electives	3–4	6.0	from approved list	CFM 291R Undergraduate Seminar	0.5
Open Electives	Variable	Variable	personal choice	Complete the following during the next-to-last semester before graduation:	
GRADUATION REQUIREMENTS:				CFM 491 Senior Seminar	0.5
Minimum residence hours required		30.0		Complete two credit hours of the following:	
Minimum hours needed to graduate		120.0		CFM 199R Technical Internship	
				Complete three credit hours of the following:	
				CFM 399R Capstone Internship	
				Students in the Construction and Facilities Management program must attend BYU during the spring or summer term, taking two required CFM courses.	
				Students must complete 300 hours of preapproved construction/facilities-related work after declaring the major, and must submit a report during the CFM 491 class.	
				Complete department packet and exit interview.	

FOR UNIVERSITY CORE QUESTIONS CONTACT THE ADVISEMENT CENTER ◆ FOR PROGRAM QUESTIONS SEE ADVISOR IN 250 SNLB

*THESE CLASSES FILL BOTH UNIVERSITY CORE AND PROGRAM REQUIREMENTS (9 hours overlap)

BS in CONSTRUCTION AND FACILITIES MANAGEMENT: Facilities Management Emphasis (396531) 2016–2017

Suggested Sequence of Courses:

FRESHMAN YEAR

1st Semester

Math 111	2.0
First-year Writing or A Htg 100*	3.0
CFM 105	3.0
Bio 100	3.0
Religion Cornerstone course	2.0
Religion Elective	2.0
Total Hours	15.0

2nd Semester

First-Year Writing or A Htg 100*	3.0
CFM 110	3.0
CFM 191	0.5
CFM 210	3.0
Religion Cornerstone course	2.0
Stat 121 (FWSpSu)	3.0
Total Hours	14.5

SOPHOMORE YEAR

3rd Semester

CFM 155	3.0
CFM 199R	2.0
CFM 291R (FW)	0.5
CFM 311	4.0
CFM 345	2.0
Religion Cornerstone course	2.0
Total Hours	13.5

4th Semester

Acc 200	3.0
CFM 291R (FW)	0.5
CFM 320	3.0
Religion Cornerstone course	2.0
Eng T 231	3.0
Org B 327	3.0
Total Hours	14.5

JUNIOR YEAR

5th Semester

CFM 241 (FW)	2.0
CFM 291R (FW)	0.5
CFM 412	3.0
Arts or Letters	3.0
Engl 316 or MCom 320	3.0
Electives	4.0
Total Hours	15.5

6th Semester

CFM 415	3.0
CFM elective	1-4.0
CFM 426 (FW)	4.0
CFM 491	0.5
CFM 460 (W)	3.0
Phy S 100	3.0
Total Hours	14.5-17.5

SENIOR YEAR

7th Semester

Civilization 1	3.0
CFM 291R	0.5
CFM 330	3.0
CFM 385	3.0
CFM 420	3.0
Religion Electives	4.0
Total Hours	16.5

8th Semester

CFM 340	3.0
CFM 399R	3.0
CFM 400	3.0
CFM 445	4.0
Civ 2/Arts or Letters	3.0
Total Hours	16.0

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, and 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 won sever 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 Management 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 prepare 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.

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

Note: 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.

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