Building Construction Management Major Courses (62 credits)

(3) BCM 10001 Introduction to Construction (Satisfies Science, Technology & Society selective for core.)

(4) BCM 17500 Construction Materials and Methods

(2) BCM 11201 Construction Surveying Fundamentals

(3) BCM 21200 Construction Layout

(3) BCM 21500 Mechanical Construction

(3) BCM 27500 Construction Plans and Measurements

(2) BCM 25001 Construction Project and Administrative Management

(2) BCM 21601 Electrical Construction

(4) BCM 28500 Construction Mechanics

(2) BCM 30101 Introduction to Construction Company and Financial Management

(3) BCM 34000 Introduction to Healthcare Construction Management

(3) BCM 34100 Advanced Healthcare Construction Management

(3) BCM 34500 Scheduling

(3) BCM 35000 Construction Site Planning

(2) BCM 35501 Construction Site Supervision

(3) BCM 37500 Estimating

(3) BCM 38000 Concrete Construction

(2) BCM 38501 Soils In Construction

(2) BCM 45500 Construction Business and Contracts

(3) BCM 45701 Construction Safety

(3) BCM 47500 Construction Costs

(3) BCM 48701 Construction Capstone

Other Departmental/Program Course Requirements (58 credits)

(3) ECON 21000 Principles of Economics or AGEC 21700 Economics (satisfies Human Cultures Behavioral/Social Science selective for core)

(3) Human Foundations Elective (satisfies Human Culture - Humanities for core) see approved list at http://www.purdue.edu/provost/initiatives/curriculum/course.html

(3) TECH 12000 Design Thinking in Technology (satisfies Information Literacy Selective & Science, Technology and Society Selective for core)

(4) PHYS 21800 General Physics (satisfies one Science Selective for core)

(4) Science Lab Selective (satisfies second Science Selective for core)- See Approved BCM List

(3) English First Year Composition Selective: See list of approved selectives on previous pages (satisfies Written Communication for core)

(3) COM 11400 Fundamentals of Speech Communication (satisfies Oral Communication for core)

(3) MA 15800 Pre-Calculus – Functions & Trigonometry (can satisfy Quantitative Reasoning Selective for core)

(2) CGT 16400 Graphics for Civil Engineering & Construction

(3) MA 16010 Applied Calculus I (can satisfy Quantitative Reasoning Selective for core)

(3) OLS 27400 Applied Leadership

(3) MGMT 20101 Introductory Accounting for Non-Majors

(3) MGMT 45500 Legal Background for Business I

(3) English elective (ENGL 42000 or ENGL 42100 or ENGL 49000 or ENGL 30400)

(3) Business Selective (IT 34200 or STAT 30100 or STAT 22500 or ENTR 20000 or MGMT 32300 or MGMT 20100 or MGMT 44301)

(3) Communication Selective (AGEC 33100 or COM 31400 or COM 31500 or COM 31800 or COM 32000 or COM 32400 or COM 32500 or COM 41500 or a Foreign Language)

(3) Human Relations Selective (PSY 12000 or SOC 10000 or OLS 25200 or OLS 28400 or OLS 38600)

(3) Global Selective (TECH 33000, Study Abroad, or other global courses listed)

(3) Healthcare Selective (AD 12500, or AD 39700, or BCM 31500, or BCM 31600, or BCM 31700, or BCM 32000, or BCM 33000, or BCM 41700, or CGT 46000, or course approved by HCM Coordinator)

************************************************************** University Core Requirements *****************************************************

Human Cultures - Humanities

MAC 10001 or TECH 12000

Human Cultures - Behavioral/Social Science

ECON 21000 or AGEC 21700

Information Literacy

TECH 12000

Science Selective

PHYS 21800

Science Selective

See BCM’s list

************************************************************** University Core Requirements *****************************************************

The student is ultimately responsible for knowing and completing all degree requirements.

MyPurdue Plan is knowledge source for specific requirements and completion.
## Healthcare Construction Management (HCM)
Department of Building Construction Management
Accredited by the American Council for Construction Education (ACCE)

### 120 Total Credit Hours

<table>
<thead>
<tr>
<th>Cr</th>
<th>Fall 1st Year</th>
<th>Prerequisite</th>
<th>Cr</th>
<th>Spring 1st Year</th>
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<td>3</td>
<td>*BCM 10001 Intro to Construction</td>
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<td>4</td>
<td>BCM 17500 Construction Materials and Methods</td>
<td>BCM 10001 and MA15300 or MA 15800, Major/Minor</td>
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<td>2</td>
<td>CGT 16400 Graphics for CE &amp; Construction</td>
<td>Major</td>
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<td>BCM 11201 Construction Surveying Fundamentals</td>
<td>MA 15800, Major</td>
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<td>3</td>
<td>*MA 15800 Pre-Calculus – Functions &amp; Trigonometry</td>
<td>ALEKS 60+ or MA 15300</td>
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<td>*MA 16010 Applied Calculus I</td>
<td>ALEKS 75+ or MA 15800</td>
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<td>OLS 27400 Applied Leadership</td>
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<td>3</td>
<td>*TECH 12000 Design Thinking in Technology</td>
<td>Major</td>
<td>3</td>
<td>*COM 11400 Fundamentals of Speech Communication</td>
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<tr>
<td>3</td>
<td>BCM 21200 Construction Layout</td>
<td>BCM 11201</td>
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<td>BCM 25001 Construction Project &amp; Admin Mgmt.</td>
<td>BCM 17500</td>
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<td>3</td>
<td>BCM 21500 Mechanical Construction</td>
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<td>BCM 28500 Construction Mechanics</td>
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<td>*PHYS 21800 General Physics</td>
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<td>MGMT 20010 Introductory Acctg. for Non-Majors</td>
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<td>4</td>
<td>*Lab Science Selective</td>
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<tr>
<td>3</td>
<td>BCM 34500 Scheduling</td>
<td>Prereq or CoReq BCM 37500</td>
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<td>BCM 30101 Construction Company &amp; Financial Mgmt.</td>
<td>MGMT 20010</td>
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<td>BCM 21500, BCM 21601, BCM 25001, BCM 27500</td>
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<td>BCM 35000 Construction Site Planning</td>
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<td>BCM 38501 Soils in Construction</td>
<td>BCM 28500</td>
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<td>BCM 38000 Concrete Construction</td>
<td>BCM 28500</td>
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<td>BCM 45701 Construction Safety</td>
<td>Junior Standing</td>
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<td>*Humanities Foundation Selective</td>
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<td>MGMT 45500 Legal Background for Business I</td>
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<th>Prerequisite</th>
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<td>BCM 35501 Construction Site Supervision</td>
<td>BCM 35000, OLS 27400</td>
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<td>BCM 48701 Construction Capstone</td>
<td>Prereq BCM 34500, BCM 35001, BCM 45500 CoReq: BCM 47500</td>
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<td>Advanced English Selective</td>
<td>ENGL 10600</td>
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<td>*ECON 21000 Principles of Economics or AGEC 21700 Economics</td>
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<td>3</td>
<td>Communication Selective</td>
<td>COM 11400</td>
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</table>

*Satisfies a University Core Requirement

******************************************************************************

Students must earn a "C-" or better in all BCM courses and all prerequisites for BCM courses.

120 semester credits required for Bachelor of Science degree.

2.0 Graduation GPA required for Bachelor of Science degree.

Any course taken at Purdue can be attempted no more than three times (inclusive of W, WF, WN, and IF)

******************************************************************************

The student is ultimately responsible for knowing and completing all degree requirements.

myPurduePlan is knowledge source for specific requirements and completion

******************************************************************************

SUPPLEMENTAL BCM INFORMATION

Effective Fall 2015

Created 3/30/2015
Note: An assumption is made that some students are already proficient in Microsoft Office – Excel, PowerPoint, Word and Access. If not, the student may want to consider taking CS 11000 or CS 23500, which can be used towards the Lab Science Selective.

*Note: Students may have to take MA 15300 (Algebra & Trigonometry I – 3 credits) first, depending on their math readiness. The pre-requisite for MA 15800 is an ALEKS score of at least 60 or a grade of C- or better in MA 15300.

ENGLISH COMPOSITION FIRST YEAR SELECTIVE: Any course from the following:
- ENGL 10600, or ENGL 10800, or ENGL 10100, or ENGL 10200, or ENGL 10300, or ENGL 10400, or ENGL 10500, or ENG W1310, or ENG W1400, or ENG W2330.

HUMAN RELATIONS SELECTIVE:
- PSY 12000 Elementary Psychology
- SOC 10000 Introductory Sociology
- OLS 25200 Human Behavior in Organizations
- OLS 28400 Leadership Principles
- OLS 38600 Leadership For Organizational Change and Innovation

COMMUNICATION SELECTIVE:
- Credit in a Foreign Language
- COM 31400 Advanced Public Speaking
- COM 31500 Speech Communication of Technical Information
- COM 31800 Principles of Persuasion
- COM 32000 Small Group Communication
- COM 32400 Introduction to Organizational Communication
- COM 32500 Interviewing: Principles and Practice
- COM 41500 Discussion of Technical Problems
- AGEC 33100 Principles of Selling in Agricultural Business

HEALTHCARE SELECTIVE
- AD 12500 Introduction to Interior Design (3 Credit Hours)
- BCM 31500 Mechanical Construction Estimating (3 Credit Hours)
- BCM 31700 Mechanical & Electrical Construction Mgmt. (3 Credit Hours)
- BCM 33900 Intro to Demolition & Reconstruction Mgmt. (3 Credit Hours)
- CGT 460 BIM for Commercial Construction (3 Credit Hours)
- AD 39700 Sustainability in the Built Environment (3 Credit Hours)
- BCM 31600 Electrical Construction Estimating (3 Credit Hours)
- BCM 32000 Intro to Disaster Restoration & Reconstruction Mgmt. (3 Credit Hours)
- BCM 41700 Design Build for MEP Contractors (3 Credit Hours)
- *Or another course approved by the Healthcare Coordinator (3 Credit Hours)

LAB SCIENCE SELECTIVE: 4 credits in this area are needed for graduation. The courses listed below in bold are 4 or more credit hour courses. You may take two of the 3 credit hour courses instead of one 4 credit hour course. The course(s) must have a lab component. It must not have an online lab component, unless it is a computer class. You must meet all course pre-requisites.

At least one class must be chosen from the following:
- Chemistry - CHM 11000, CHM 11200, CHM 11500, CHM 11600, CHM 12500, CHM 12600, CHM 13600, CHM 20000
- EAPS 11100, EAPS 11200
- Physics - PHYS 21900, PHYS 22100, PHYS 27200
- If taking two 3 credit hour courses, you may choose the second course from the above list or from among the following:
  - Computer and Information Technology courses with a lab such as CNIT 15500, CNIT 17500, CNIT 18000
  - Computer Science course with a lab such as CS 11000 or CS 13600, CS 15800, CS 17700, CS 18000, CS 23500

Other courses may apply, see academic advisor.

BUSINESS SELECTIVE:
- IT 34200 Introduction To Statistical Quality
- STAT 22500 Introduction To Probability Models
- STAT 30100 Elementary Statistical Methods
- ENTR 20000 Introduction To Entrepreneurship & Innovation
- MGMT 20100 Management Accounting I
- MGMT 32300 Introduction To Market Analysis
- MGMT 44301 Management of Human Resources
- US Women Since 1870
- Intro to Modern Japanese Civilization
- Intro to Jewish Studies
- East Asian Literature
- Contemporary Foreign Women Writers
- Music Appreciation
- Global Morals Issues

GLOBAL SELECTIVE: TECH 33000, or Study Abroad, or any of the following courses:
GLOBAL SELECTIVE (continued)

| ANTH 230 | Gender Across Cultures | ENGL 257 | Literature of Black America | PHIL 206 | Philosophy of Religion |
| ANTH 312 | The Archaeology of Ancient Egypt | ENGL 266 | World Literature to 1700 A D | PHIL 219 | Intro to Existentialism |
| ANTH 327 | Environment and Culture | ENGL 267 | World Literature 1700 to now | PHIL 225 | Philosophy of Woman |
| ANTH 336 | Human Variation | ENGL 341 | Topics in Sci, Lit, and Culture | PHIL 240 | Social and Political Philosophy |
| ANTH 337 | Human Diet | ENGL 358 | Black Drama | PHIL 242 | Phil, Culture, and African American Exp. |
| ANTH 380 | Using Anthropology in the Word | ENGL 360 | Gender and Literature | PHIL 270 | Biomedical Ethics |
| ARAB 230 | Arabic Literature in Translation | FNR 103 | Intro to Environm. Conservation | PHIL 290 | Environmental Ethics |
| ASAM 240 | Intro to Asian American Studies | HDFS 280 | Diversity in Individ. & Family Life | PHIL 330 | Religions of the East |
| ASAM 340 | Contemp. Issues in Asian America | HEBR 280 | Modern Israel: Cinema, Lit, ect. | PHIL 331 | Religions of the West |
| CHNS 280 | Topics in Chinese Civiliz. & Culture | HEBR 284 | Ancient Near E Hist and Culture | POL 130 | Intro to International Relations |
| CLCS 181 | Classical World Civilizations | HIST 103 | Intro to the Medieval World | POL 141 | Governments of the World |
| CLCS 231 | Survey of Latin Literature | HIST 104 | Intro to the Modern World | POL 222 | Women, Politics and Public Policy |
| CLCS 232 | Classical Roots of English Words | HIST 105 | Global History | POL 223 | Intro to Environmental Policy |
| CLCS 233 | Comparative Mythology | HIST 241 | East Asia Modern World | POL 230 | Intro to the Study of Peace |
| CLCS 280 | Topics in Classic Civilizations | HIST 250 | US Relatns, Mid. East and N. Africa | POL 231 | Intro to U S Foreign Policy |
| CLCS 385 | Sci, Med, and Magic in Ancient West | HIST 272 | Latin American from 1824 | POL 235 | Rich and Poor Nations |
| CMPL 230 | Intro to Comparative Literature | HIST 317 | History of the Christian Church I | POL 237 | Modern Weapons & International Relats |
| CMPL 266 | World Lit to 1700 A D | HIST 329 | Women in Modern Europe | POL 327 | Green Global Politics |
| CMPL 267 | World Lit from 1700 to now | HIST 334 | Sci & Tech in West Civilization II | POL 348 | East Asian Politics |
| COM 224 | Com in the Global Workplace | HIST 351 | Second World War | Study Abroad Experience |
| COM 303 | Intercultural Communication | HIST 361 | Violence in Africa | Foreign Language - in class only |

ADVANCED ENGLISH SELECTIVE

| ENGL 42000 Business Writing | ENGL 30400 Advanced Composition |
| ENGL 42100 Technical Writing | ENGL 49000 Worksite Internship Practicum |

CONSTRUCTION WORK EXPERIENCE

A minimum of 800 hours of post high school construction work experience is required for graduation with a baccalaureate degree. Summer construction jobs, BCM internships, or BCM Co-op programs may be used to satisfy this requirement. To document your work hours, go to the BCM website and look for Work Experience Folder. That will bring up a Word file with directions for you to follow. Concentrations require 400 hours of work experience within the concentration.

PROGRESSION POLICY

Students must meet the following requirements to progress in the BCM major. Failure to meet these standards will require the student to CODO out of the BCM Department. BCM majors must earn a grade of “C-” or better in all BCM courses and all courses that are a prerequisite to a BCM course. The “C-” grade must be earned before enrolling in subsequent courses. BCM courses can be repeated only once.

Appeal

Students that are not allowed to continue with BCM courses due to the Progression Policy may make a written appeal to the Department Head of Building Construction Management if they believe there are extenuating circumstances that caused them to be dropped from the department.

Departmental Policy

It is the responsibility of each student to assure that he or she fulfills the necessary pre-requisites and courses to meet graduation requirements. Questions may be directed to a BCM advisor.
Organizational Leadership & Supervision Minor

- OLS 25200 Human Behavior in Organizations
- OLS 27400 Applied Leadership (a required course for BCM)
- OLS 28400 Leadership Principles
- OLS 38600 Leadership For Organizational Change & Innovation

Note: OLS 25200, OLS 28400, or OLS 38600 can fulfill the Human Relations Selective.

Computer Graphics (BIM) Minor

- CGT 16400 Graphics for CE & Construction (required for BCM)
- CGT 36000 Applications of Construction Documentation I
- CGT 46000 Building Information Modeling (BIM) For Commercial Construction
- CGT 46200 Applications of Construction Documentation II