

"C-" or better required in all major courses and all courses that are a prerequisite to a BCM course

Building Construction Management Major Courses (61 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 34500 Scheduling
- _____ (3) BCM 35000 Construction Site Planning
- _____ (2) BCM 35501 Construction Site Supervision
- _____ (3) BCM 36000 Residential Construction
- _____ (3) BCM 37500 Estimating
- _____ (3) BCM 38000 Concrete Construction
- _____ (2) BCM 38501 Soils In Construction
- _____ (3) BCM 45500 Construction Business and Contracts
- _____ (3) BCM 45701 Construction Safety
- _____ (2) BCM 46100 Residential Design Build
- _____ (3) BCM 47500 Construction Costs
- _____ (3) BCM 48701 Construction Capstone

Other Departmental/Program Course Requirements (58 credits)

- _____ (3) ECON 21000 Principles of Economics or AGECE 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 20010 Introductory Accounting for Non-Majors
- _____ (3) MGMT 45500 Legal Background for Business I
- _____ (3) English selective (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 (AGECE 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) Residential Selective (at least 1 credit hour from the following: AD 125, AD 395, AD 397, AD 454,AGECE 331, BCM 320, BCM 330, BCM 361, BCM 412, BCM 460, BCM 510, CGT 360, LA 150, LA 151, LA 152 the remainder of the three hours may be free electives)

Electives (1 credit)

- (1) **Free**

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

Human Cultures - Humanities	UCC Selective	Science, Technology & Society	BCM 10001 or TECH 12000
Human Cultures -Behavioral/Social Science	ECON 2100 or AGECE 21700	Written Communication	See BCM's list
Information Literacy	TECH 12000	Oral Communication	COM 11400
Science Selective	PHYS 21800	Quantitative Reasoning	MA 153 or MA 15800 or MA 16010
Science Selective	See BCM's list		

The student is ultimately responsible for knowing and completing all degree requirements.
MyPurdue Plan is knowledge source for specific requirements and completion.

**Residential Construction Management Major (RCM)
School of Construction Management Technology**

<https://polytechnic.purdue.edu/degrees/building-construction-management/plan-of-study>

Accredited by the American Council for Construction Education (ACCE)

120 Total Credit Hours

Cr	Fall 1st Year	Prerequisite	Cr	Spring 1st Year	Prerequisite
3	*BCM 10001 Intro to Construction		4	BCM 17500 Construction Materials and Methods	BCM 10001 and MA15300 or MA 15800, Major/Minor
2	CGT 16400 Graphics for CE & Construction	Major	2	BCM 11201 Construction Surveying Fundamentals	MA 15800, Major
3	*MA 15800 Pre-Calculus – Functions & Trigonometry	ALEKS 60+ or MA 15300	3	*MA 16010 Applied Calculus I	ALEKS 75+ or MA 15800
3	*English First Year Composition Selective		3	OLS 27400 Applied Leadership	
3	*TECH 12000 Design Thinking in Technology	Major	3	*COM 11400 Fundamentals of Speech Communication	
14			15		

Cr	Fall 2nd Year	Prerequisite	Cr	Spring 2nd Year	Prerequisite
3	BCM 21200 Construction Layout	BCM 11201	2	BCM 25001 Construction Project & Admin Mgmt.	BCM 17500
3	BCM 21500 Mechanical Construction	BCM 17500	2	BCM 21601 Electrical Construction	BCM 17500
3	BCM 27500 Construction Plans & Measurements	BCM 17500 & CGT 16400	4	BCM 28500 Construction Mechanics	MA 16010 & PHYS 21800
4	*PHYS 21800 General Physics		3	MGMT 20010 Introductory Acctg. for Non-Majors	
3	Human Relations Selective		4	*Lab Science Selective	
16			15		

Cr	Fall 3rd Year	Prerequisite	Cr	Spring 3rd Year	Prerequisite
3	BCM 34500 Scheduling	Prereq or CoReq BCM 37500	2	BCM 30101 Construction Company & Financial Mgmt.	MGMT 20010
3	BCM 37500 Estimating	BCM 21500, BCM 21601, BCM 25001, BCM 27500	3	BCM 35000 Construction Site Planning	BCM 27500
3	BCM 36000 Residential Construction		2	BCM 38501 Soils in Construction	BCM 28500
3	BCM 38000 Concrete Construction	BCM 28500	3	BCM 45701 Construction Safety	Junior Standing
3	*Humanities Foundation Selective		2	BCM 46100 Residential Design Build	BCM 34500
			3	MGMT 45500 Legal Background for Business I	
15			15		

Cr	Fall 4th Year	Prerequisite	Cr	Spring 4th Year	Prerequisite
2	BCM 35501 Construction Site Supervision	BCM 35000, OLS 27400	3	BCM 48701 Construction Capstone	Prereq BCM 34500, BCM 35501, BCM 45500 CoReq: BCM 47500
3	BCM 47500 Construction Costs	BCM 37500	3	Global Selective	
3	BCM 45500 Construction Company Management	Senior Standing	3	Residential Selective <i>**see list</i>	
3	English Selective	ENGL 10600	3	Business Selective	
3	*ECON 21000 Principles of Economics or AGECE 21700 Economics		3	Communication Selective	COM 11400
1	Free Elective				
15			15		

*Satisfies a University Core Requirement

***see Residential Selective list*

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

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

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 11100, CHM 11200, **CHM 11500, CHM 11600, CHM 12500, CHM 12600, CHM 13600**, CHM 20000
Earth, Atmospheric, and Planetary Sciences - 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 Graphics Technology (CGT) courses: CGT 11000, CGT 11600, CGT 14100, CGT 21100, CGT 21600. (NOT ACCEPTED: CGT 16400, CGT 26200, CGT 36000, CGT 46000, CGT 46200).

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 CNIT 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

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

AD 226	History Of Art To 1400	EAPS 100	Planet Earth	HIST 375	US Women Since 1870
AD 255	Art Appreciation	EAPS 120	Intro to Geography	JPNS 280	Intro to Modern Japanese Civilization
AD 454	Modern Architecture	EAPS 375	Fossil Fuels, Energy, and Society	JWST 330	Intro to Jewish Studies
AGEC 250	Econ. Geography Of World Food	EEE 355	Eng Environmental Sustainability	LC 235	East Asian Literature
ANTH 100	Introduction To Anthropology	ENGL 230	Great Narrative Works	LC 239	Contemporary Foreign Women Writers
ANTH 205	Human Cultural Diversity	ENGL 240	British Lit Through 18th Century	MUS 250	Music Appreciation
ANTH 212	Culture, Food, and Health	ENGL 241	Brit Lit From Romantic. to Modern	PHIL 114	Global Morals Issues

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 & Internationl Relatns
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 42100 Technical Writing

ENGL 30400 Advanced Composition
ENGL 49000 Worksite Internship Practicum

RESIDENTIAL SELECTIVE

AD 125 Introduction to Interior Design (3 Credit Hours)
AD 397 Sustainability in the Built Environment (3 Credit Hours)
AGEC 331 Principles of Selling in Agriculture/Business (3 Credit Hours)
BCM 330 Intro to Demolition & Reconstruction Mgmt. (3 Credit Hours)
BCM 412 Field Engineering (3 Credit Hours)
BCM 510 Sustainable Construction, Design & Development (3 Credit Hours)
LA 150 Preservation Issues (1 Credit Hour)
LA 152 Community Preservation (1 Credit Hour)

AD 395 History of Design (3 Credit Hours)
AD 454 Modern Architecture (3 Credit Hours)
BCM 320 Intro to Disaster & Reconstruction Mgmt. (3 Credit Hours)
BCM 361* Residential Field Management (3 Credit Hours)
BCM 460* Residential Land Development (2 Credit Hours)
CGT 360 Applications of Construction Documentation (3 Credit Hours)
LA 151 Building Preservation (1 Credit Hour)

* These courses aren't currently offered with no intention of offering them in the near future

**Additional courses may be substituted upon instructor approval

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.

Effective Fall 2015

Revised 4/1//2015

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 or the Free Elective.

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