

**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

**\*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 or a Math SAT score of at least 550 or ACT Math 24 or higher.

#### **CONCENTRATION REQUIREMENT**

Students will be required to choose an area of concentration prior to taking CM 30000. Within the CM 20000 course all students will be exposed to each of the concentration areas to gain insight before selecting their concentration (though students are permitted to select a concentration area any time prior to CM 30000). Students will receive specialized instruction relating to their concentration within the CM 30000 course. The student's capstone project in CM 40000 and CM 45000 will then focus on the student's area of concentration. Students are only allowed to select ONE concentration area. **Concentration area must be different than student's major area of study.** The five concentrations are:

COMMERCIAL CONSTRUCTION MANAGEMENT

DEMOLITION & RESTORATION MANAGEMENT IN THE BUILT ENVIRONMENT

HEALTHCARE CONSTRUCTION MANAGEMENT

MECHANICAL & ELECTRICAL CONSTRUCTION MANAGEMENT

RESIDENTIAL CONSTRUCTION MANAGEMENT

#### **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.

#### **ENGLISH COMPOSITION FIRST YEAR SELECTIVE: Any course from the following:**

ENGL 10600, or ENGL 10800, or HONR 19903, or SLCA 10100, ENGL 10100, or ENGL 10200, or ENGL 10300, or ENGL 10400, or ENGL 10500, or ENG W1310, or ENG W1400, or ENG W2330.

#### **ADVANCED COMMUNICATION OR ENGLISH SELECTIVE:**

Credit in a Foreign Language

AGEC 33100 Principles of Selling in Agricultural Business

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

ENGL 42000 Business Writing

ENGL 42100 Technical Writing

ENGL 42000E Business Writing (Entrepreneurship Section)

ENGL 49000 Worksite Internship Practicum

**LAB SCIENCE SELECTIVE:** 3 credits in this area are needed for graduation. The courses listed below in bold are 4 or more credit hour courses. The course(s) must have a lab component. You must meet all course pre-requisites. Choose 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**

#### **MANAGEMENT SELECTIVE:**

MGMT 44301 Management of Human Resources

OBHR 33000 Introduction to Organizational Behavior

TLI 11200 Foundations of Organizational Leadership

TLI 15200 Business Principles for Organizational Leadership

TLI 21300 Project Management

TLI 25300 Principles of Technology Strategy

TLI 25400 Leading Change in Management of Human Resources

#### **BUSINESS SELECTIVE:**

ENTR 20000 Introduction To Entrepreneurship & Innovation

MGMT 20100 Management Accounting I

MGMT 32300 Introduction To Market Analysis

TLI 31600 Statistical Quality Control

STAT 22500 Introduction To Probability Models

STAT 30100 Elementary Statistical Methods

#### **HUMAN FOUNDATIONS SELECTIVE**

Choose from Human Cultures: Humanities (HUM) category on this link: <http://www.purdue.edu/provost/students/s-initiatives/curriculum/courses.html>.

## GLOBAL SELECTIVE: Study Abroad or any of the following courses:

ANSC 38100	Leadership for a Diverse Workplace	ANTH 20500	Human Cultural Diversity	ANTH 21200	Culture, Food and Health
ANTH 23000	Gender Across Cultures	ANTH 34000	Global Perspectives on Health	COM 22400	Communicating in the Global Workplace Policy, Regulation, and Globalization in Information Technology
COM 32000	Small Group Communication	COM 41200	Theories of Human Interaction	CNIT 32000	History of Human Rights
ENGL 41400	Literature & Culture Settings	HIST 19500	Historical Research and Film	HIST 33805	Philosophy of Mind
HTM 37000	Sustainable Tourism and Responsible Travel	HTM 37200	Global Tourism Geography Variable Title: It's a Complex World	PHIL 43500	Intro to Sociology
POL 23500	Rich and Poor Nations	POL 42900	Technology and the Global Society	SOC 10000	Leading Innovation in Organizations
SOC 33900	Introduction to Sociology of Developing Nations	TECH 33000	International Experience	ECET 38001	Global Professional issues in ET
WGSS 38000	Gender and Multiculturalism	ECET 29000	Ethics and Aviation The Holocaust in Modern Hebrew Literature	HDFS 23300	Stress and Human Health
AAS 37300	Variable Title: History of Injustice Stress & Coping in Contemporary Families	AT 23300	Psychology of Adjustment	PHIL 11400	Global Moral Issues
HDFS 33200	Elementary Psychology	HEBR 38500	Intercultural Communication	PSY 25100	Health Psychology
PSY 12000	Communication Across Cultures	PSY 25000	Peer Counselling Training	EDPS 31500	Collaborative Leadership: Listening
AGR 20100	Collaborative Leadership: Mentoring	COM 30300			
EDPS 31700	Any foreign language 200 or higher	EDPS 30100			

## INTERCULTURAL REQUIREMENT

Students are required at minimum to complete the following:

- Complete the Pre- and Post- Intercultural Development Inventory Assessments (1<sup>st</sup> and 4<sup>th</sup> year)
- Complete the Pre- and Post- BEVI (1<sup>st</sup> and 4<sup>th</sup> years)
- Complete one (1) of the following Intercultural Knowledge and Effectiveness (IKE's) components below:
  - Crosswalk Commons (Residential Living Experience for a minimum of one semester)
  - Serve as a BGRI Program leader
  - PUPIL (Purdue University Passport to Intercultural Learning) (Obtain at least 2-badges)
  - Participate in two (2) Boiler Out Program Activities
  - Participate in Host-a-Boiler
- Complete one (1) of the following:
  - An international capstone, collaborative project, or
  - An international internship, or
  - A Faculty-led Study Abroad program, or
  - Complete 3 credit hours of courses from the Polytechnic list of recommended Global/Cultural Courses. \*\*\*Must be in a category other than Increasing Self-Awareness and outside of your home department

## 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, CM internships, or CM Co-op programs may be used to satisfy this requirement. To document your work hours, go to the CM website and look for Work Experience Form. That will bring up a writeable PDF file with directions for you to follow. Once forms have been completed and hours have been verified, students will be allowed to register for CM 39000 or CM 49000 depending on the number of work hours completed. Both CM 39000 and CM 49000 are required.

## PROGRESSION POLICY

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

### Appeal

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

### 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 CM advisor.

## **OPTIONAL CERTIFICATES AND MINORS**

### **Organizational Leadership & Supervision Minor**

- TLI 11200 Foundations of Technical Leadership or OLS 25200 Human Behavior in Organizations
- TLI 15200 Business Principles for Org Leadership or OLS 27400 Applied Leadership
- TLI 21300 Project Management or TLI 25300 Principles of Tech Strategy or OLS 28400 Leadership Principles
- TLI 25400 Leading Change in Tech Orgs or OLS 38600 Leadership for Org Change and Innovation

### **Computer Graphics (BIM) Minor**

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

### **Entrepreneurship Certificate for CM Students**

- ENTR 20000 Introduction to Entrepreneurship and Innovation
- ENTR 31000 Mktg Mgmt for New Ventures
- ENGL 42000 Business Writing (Entrepreneurship Section) or AGECE 33100 Principles of selling on Agricultural Business or COM 31400 Advanced Public Speaking
- CM 45500 Construction Business and Contracts
- CM 48701 Construction Capstone

### **Cornerstone Certificate: An Integrated Liberal Arts Program**

- The mission of this liberal-arts-based program is to significantly enhance the educational experience of all students, bridging the College of Liberal Arts and other units across campus; introducing and integrating students to the worlds of engineering, technology, science, medicine, business, public policy, and agriculture; and providing them with the skills and edification of a humanities education. Below are some of the details of this certificate. For more information see a CM advisor
- Completion of 15 credit hours from approved courses within the College of Liberal Arts in one of 5 tracks:
  - Conflict Resolution, Governance and Justice
  - Engineering, Technology and Society
  - Health, Medicine and Society
  - Management, Organizations and Ethics
  - Science, Environment and Sustainability
- Level 1: Explore – SCLA 10100, SCLA 10200
- Level 2: Invent – one 200 level “bridge” course
- Level 3: Engage – two 300-400 level courses