

Design and Construction Integration (DCI)

Purdue Polytechnic Institute

School of Construction Management Technology

Advising Worksheet

Disclaimer: The Purdue West Lafayette catalog is considered the source for academic and programmatic requirements for students entering programs during the corresponding Fall, Spring, and Summer semesters. The Advising Worksheet assists students in the development of an individualized 8-semester plan. Students are encouraged to use this worksheet and MyPurduePlan* (the online degree auditing tool) as they work with their academic advisor toward the completion of all their degree requirements.

Notification: Each student is ultimately responsible for knowing, monitoring, and completing all degree requirements.

An undergraduate degree in the Purdue Polytechnic Institute requires completion of the following degree requirements.

University Degree Requirements		
Minimum 2.0 Cumulative GPA	Minimum 120 Credits that fulfill degree requirements	32 Residency Credits (30000-level and above) at a Purdue University Campus
University Core Curriculum ** https://www.purdue.edu/provost/students/s-initiatives/curriculum/courses.html		
<ul style="list-style-type: none"> • Human Cultures: Behavioral/Social Science • Human Cultures: Humanities • Information Literacy • Oral Communication 	<ul style="list-style-type: none"> • Quantitative Reasoning • Science • Science, Technology & Society Selective • Written Communication 	
Civics Literacy Proficiency https://www.purdue.edu/provost/about/provostInitiatives/civics/		
Required Major Program Courses (see following pages)		
Departmental specific requirement <ul style="list-style-type: none"> • “C-” or better is required in all CM courses. • Any course taken at Purdue can be attempted no more than three times (inclusive of W, WF, WN, and IF). • Students must meet the following requirements to progress in the DCI major. Failure to meet these standards will require the student to CODO out of the School of Construction Management. DCI majors must earn a grade of “C-” or better in all CM courses. The “C-” grade must be earned before enrolling in subsequent courses. CM courses can be repeated only once. • 2.0 Graduation GPA required for Bachelor of Science degree. 		
Pass/No Pass option		
<ul style="list-style-type: none"> • Pass/No Pass may be allowed for free electives only. 		
Non-course/Non-credit Requirements		
<ul style="list-style-type: none"> • Complete a Professional Requirement. * Complete a Globalization Requirement. 		

* This audit is not your academic transcript and it is not official notification of completion of degree or certificate requirements.

** University Core Curriculum Outcomes may be met through completions of the Purdue Polytechnic Institute curriculum. Students should Consult with their academic advisors and MyPurdue Plan for course selections.

Optional Concentrations

Healthcare Construction Management Concentration

Infrastructure Construction Management Concentration for CM & DCI

Mechanical and Electrical Construction Management Concentration

Residential Construction Management Concentration

Disaster Recovery and Demolition Management Concentration for Construction Mgmt & Design and Construction Integration

Construction Work Experience Requirement

A minimum of 800 hours of post high school Architecture, Engineering or Construction (AEC) related work experience is required for graduation with a baccalaureate degree. Summer jobs, internships, or Co-op programs may be used to satisfy this requirement. If you have questions or doubts about this requirement, contact your advisor. To document your work hours, go to the CM website and look for Work Experience Form. You can also find the website in your advisor's email signature.

Design and Construction Integration

Fall		Credits	Spring		Credits	Summer		Credits
CM 10000	Intro to Construction Mgmt	3	CM 15000	Construction Mgmt Fundamentals	6			
CM 26200	Intro to Construction Graphics	3	CM 16000	Surveying	3			
MA 15800	Precalculus	3	MA 16010	Calculus	3			
TECH 12000	Design Thinking in Technology	3	Oral Communication Selective		3			
Written Communication Selective		3						
		15			15			0

Fall		Credits	Spring		Credits	Summer		Credits
CM 20002	Intermediate Pre-Construction Mgmt	4	CM 27000	Statics/Strenghths of Materials	3			
CM 23301	MEP Sys in Built Envt	3	CM 33000	Design and Construction I	6			
PHYS 22000	General Physics	4	CM 36000	Apps of Construt Documentation I	3			
MGMT 21200	Business Accounting	3	ECON 210/AGEC 217		3			
Human Cultures: Humanities		3						
		17			15			0

Fall		Credits	Spring		Credits	Summer		Credits
CM 30002	Advanced Pre-Costruction Mgmt	4	CM 33100	Design and Construction II	6			
CM 30101	Intro to Construction Co Financial Mgmt	2	CM 45701	Safety	3			
CM 33200	Arch, Construction and Society	3	CM 47500	Construction Costs	2			
CM 38000	Soils and Foundations	3	MGMT 45500	Legal Background for Business	3			
Business Selective		3						
		15			14			0

Fall		Credits	Spring		Credits
CM 40000	Construction Capstone I	6	CM 45001	Construction Capstone II	3
CM 43300	Risk Mgmt	2	Free Elective		3
Free Elective		3	Free Elective		3
Cross Cultural Selective		3	MGMT selective		3
			Science Selective		3
		14			15

Students are encouraged to use this advising worksheet as a resource when planning progress toward completion of degree requierments. An Academic Advisor may be contacted for assistance in interpreting this worksheet. This worksheet is not an academic transcript, and it is not official notification of completion of degree or certificate requirements. The University Catalog is the authoritative source for displaying plans of study. While there may be multiple ways to move classes around for the same graduation plan/result, pre-requisites must be met for all classes unless approved otherwise through your advisor/department. The student is ultimately responsible for knowing and completing all degree requirements.

Supplemental Information/Selective Lists

Written Communication Selective

ENGL 10600 First-Year Composition
 ENGL 10800 First-Year Composition
 SCLA 10100 Crit Think & Com I

Oral Communication Selective

COM 11400 Fundament of Speech
 COM 21700 Science Writing and Presentation
 EDPS 31500 Collab Leader: Interpersonal
 SCLA 10200 Crit Think & Com II

Economics Selective

AGEC 21700 Economics
 ECON 21000 Prin of Economics
 ECON 25100 Microeconomics
 ECON 25200 Macroeconomics

Science Selective

Any class from the univeristy core

Human Cultures: Humanities

Any class from the univeristy core

CM Selective

CM 37000 Heavy Civil Construction Mgmt
 CM 37100 Industrial Construction Mgmt
 CM 37200 Plan Dsgn Const Hlthc Blt Envr
 CM 37300 Healthcare Constr Mgmt Systems
 CM 37400 Mech and Elec Constr Mgmt I
 CM 37500 Mech and Elec Constr Mgmt II
 CM 37600 Residential Green Const Mgmt
 CM 37700 Residential CM Design-Build
 CM 46000 BIM Modeling for Commercial
 CM 46200 Appl Constr Document II
 CM 51000 Sustainability

Cross Cultural Selective

ANTH 20500
 ANTH 23000
 ANTH 38500
 TECH 33000
 Foreign language 201, 202, 301, 302
 ARAB, ASL, CHNS, FR, GER, HEBR, ITAL, JPNS, KOR
 LATN, RUSS, SPAN
 Semester Abroad (See advisor)

Management Selective

ENTR 20000 Intro Entr & Innov
 MGMT 20100 Mgmt Accounting I
 MGMT 32300 Principles of Marketing
 MGMT 44301 Management of Human Resources
 OBHR 33000 Intro to Org Behavior
 TLI 11200 Foundations of Org Leadership
 TLI 15200 Business Prin Org Leadership
 TLI 21300 Project Management

Business Selective

IET 23500 Systems Thinking & Proc Imprv
 IET 31600 Statistical Quality Control
 MGMT 30400 Intro to Financial Management
 MGMT 31000 Financial Management
 STAT 22500 Introduction to Probability Models
 STAT 30100 Elementary Statistical Methods

Construction Work Experience

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Construction Management Option Concentrations

Healthcare Construction Management Concentration

CM 37200 - Planning, Design, And Construction Process For The Healthcare Built Environment--3 crs	required
CM 37200 - Planning, Design, And Construction Process For The Healthcare Built Environment--3 crs	required
Concentration selective--3 credits--choose one of the following	required
CM 36000 - Applications Of Construction Documentation I--3 crs	
CM 37000 - Heavy Civil Construction Management--3 crs	
CM 37100 - Industrial Construction Management--3 crs	
CM 37400 - Mechanical And Electrical Construction Management I--3 crs	
CM 37500 - Mechanical And Electrical Construction Management II--3 crs	
CM 37600 - Residential Construction Management-Green Construction And Sustainability--3 crs	
CM 37700 - Residential Construction Management Design-Build--3 crs	
CM 42100 - Construction Management And Technologies For Disaster Recovery--3 crs	
CM 42200 - Structural Demolition For Construction Managers--3 crs	
CE/CEM 49700: Ldrshp & Adv Proj Mgmt, taught by Bob Bowen (this CE/CEM 49700 class specifically)--3 crs	

Infrastructure Construction Management Concentration for Construction Management Technology Majors

CM 37000 - Heavy Civil Construction Management--3 crs	required
CM 37100 - Industrial Construction Management--3 crs	required
Concentration selective--3 credits--choose one of the following	required
CM 37200 - Planning, Design, And Construction Process For The Healthcare Built Environment--3 crs	
CM 37300 - Healthcare Construction Management - Systems, Occupied Space Work, And Related Industries--3 crs	
CM 37400 - Mechanical And Electrical Construction Management I--3 crs	
CM 37500 - Mechanical And Electrical Construction Management II--3 crs	
CM 37600 - Residential Construction Management-Green Construction And Sustainability--3 crs	
CM 37700 - Residential Construction Management Design-Build--3 crs	
CM 42100 - Construction Management And Technologies For Disaster Recovery--3 crs	
CM 42200 - Structural Demolition For Construction Managers--3 crs	

Residential Construction Management Concentration

CM 37600 - Residential Construction Management-Green Construction And Sustainability--3 crs	required
CM 37700 - Residential Construction Management Design-Build--3 crs	required
Concentration selective--3 credits--choose one of the following	required
CM 36000 - Applications Of Construction Documentation I--3 crs	
CM 37000 - Heavy Civil Construction Management--3 crs	
CM 37100 - Industrial Construction Management--3 crs	
CM 37200 - Planning, Design, And Construction Process For The Healthcare Built Environment--3 crs	
CM 37300 - Healthcare Construction Management - Systems, Occupied Space Work, And Related Industries--3 crs	
CM 37400 - Mechanical And Electrical Construction Management I--3 crs	
CM 37500 - Mechanical And Electrical Construction Management II--3 crs	
CM 42100 - Construction Management And Technologies For Disaster Recovery--3 crs	
CM 42200 - Structural Demolition For Construction Managers--3 crs	

Mechanical and Electrical Construction Management Concentration

CM 37400 - Mechanical And Electrical Construction Management I--3 crs	required
CM 37500 - Mechanical And Electrical Construction Management II--3 crs	required
Concentration selective--3 credits--choose one of the following	required
CM 36000 - Applications Of Construction Documentation I--3 crs	
CM 37000 - Heavy Civil Construction Management--3 crs	
CM 37100 - Industrial Construction Management--3 crs	
CM 37200 - Planning, Design, And Construction Process For The Healthcare Built Environment--3 crs	
CM 37300 - Healthcare Construction Management - Systems, Occupied Space Work, And Related Industries--3 crs	
CM 37600 - Residential Construction Management-Green Construction And Sustainability--3 crs	
CM 37700 - Residential Construction Management Design-Build--3 crs	
CM 42100 - Construction Management And Technologies For Disaster Recovery--3 crs	
CM 42200 - Structural Demolition For Construction Managers--3 crs	

Disaster Recovery and Demolition Management Concentration for Construction Mgmt & Design and Construction Integration--9 credits	
CM 42100 - Construction Management And Technologies For Disaster Recovery--3 crs	Required
CM 42200 - Structural Demolition For Construction Managers--3 crs	Required
Concentration selective--3 credits--choose one of the following	Required
CM 36000 - Applications Of Construction Documentation I--3 crs	
CM 37000 - Heavy Civil Construction Management--3 crs	
CM 37100 - Industrial Construction Management--3 crs	
CM 37200 - Planning, Design, And Construction Process For The Healthcare Built Environment--3 crs	
CM 37300 - Healthcare Construction Management - Systems, Occupied Space Work, And Related Industries--3 crs	
CM 37400 - Mechanical And Electrical Construction Management I--3 crs	
CM 37500 - Mechanical And Electrical Construction Management II--3 crs	
CM 37600 - Residential Construction Management-Green Construction And Sustainability--3 crs	
CM 37700 - Residential Construction Management Design-Build--3 crs	