

CONSTRUCTION MANAGEMENT MAJOR, B.S.

Students will complete approximately 120 credits of coursework to receive a Bachelor of Science degree including a minimum of 43 credits of university general education curriculum. Within the major, students will complete 30 credits of industrial studies, computer and accounting courses plus 29 credits in an area of specialization in building construction management or construction safety and risk control management. Additionally, students will complete 18 credits of electives or a minor to complete the degree. Of the 120-credit total, at least 42 credits of completed coursework will be at the upperclassman level.

Course	Title	Credits
General Requirements		
General Education (http://catalog.uwplatt.edu/undergraduate/degree-requirements/bachelor-of-science-degree-core-curriculum/)		40-53
Required Courses		9
INDUSTDY 1010	Principles of Safety and Risk Management	3
INDUSTDY 4980 or BUSADMIN 3530	Training and Supervision Organizational Behavior	3
INDUSTDY	Internship ¹	3
Natural Science Requirements Specific to the Major/Emphasis ^{2,3}		
PHYSICS 1050	Principles of Physics	5
CHEMSTRY 1050	Survey of General Chemistry	5
Mathematics Requirement		
MATH 1830 and either MATH 1530, MATH 1730, or MATH 2450 or higher.		
Emphasis		
Select one of the following emphases		59-69

¹ See emphasis for specific internship course number.

² Students choosing the Construction Management emphasis may select GEOGRPHY 1040 or GEOLOGY 1140 in lieu of either physics or chemistry.

³ Students choosing the Construction Safety Management emphasis may select GEOGRPHY 1040 or GEOLOGY 1140 or BIOLOGY 2340 in lieu of either physics or chemistry.

CONSTRUCTION MANAGEMENT EMPHASIS

Course	Title	Credits
Required Courses		
INDUSTDY 1010	Principles of Safety and Risk Management	3
INDUSTDY 4660	Construction Management Internship	3
BUSADMIN 3530 or INDUSTDY 4980	Organizational Behavior Training and Supervision	3
Required Professional Concentration Courses		
INDUSTDY 1100	Introduction to the Construction Industry	3
INDUSTDY 1300	Construction Computer Applications	3
ACCTING 2010	Financial Accounting	3
INDUSTDY 3140	General Construction Estimating	3
INDUSTDY 3180	Construction Safety Management	3
INDUSTDY 3220	Construction Procedures	3
INDUSTDY 4840	Construction Administration	3
Required Technical Core Courses		
INDUSTDY 2430	Building Construction Materials	3
INDUSTDY 3210	Commercial Construction Laboratory	3
INDUSTDY 3350	Road and Infrastructure	3
INDUSTDY 4050	Road and Infrastructure Lab	3
INDUSTDY 4530	Commercial Planning and Design	3
INDUSTDY 4630	Building Systems Analysis	3
INDUSTDY 4960	Commercial Building Planning and Construction Techniques	3

Electives		14
GENENG 1030	Introduction to Engineering Projects	1
GENENG 1320	Engineering Computer Graphics	2
GENENG 2130	Engineering Mechanics-Statics	3
CIVILENG 2000	Introduction to Infrastructure	3
CIVILENG 2220	Civil and Environmental Engineering Computer Applications	2
CIVILENG 2630	Elements of Surveying	3
CIVILENG 4030	Construction Equipment	2
ACCTING 2020	Management Accounting	3
BUSADMIN 2010	Business Communication	3
or ENGLISH 3000	Technical Writing	
BUSADMIN 2330	Leadership and Management	3
BUSADMIN 3030	Human Resource Management	3
or BUSADMIN 5030	Human Resource Management	
BUSADMIN 3130	The Legal Environment of Business	3
BUSADMIN 3230	Small Business Management	3
BUSADMIN 3540	Quality Management	3
or BUSADMIN 5540	Quality Management	
BUSADMIN 6100	Supply Chain Management	3
ENGRG 5000	Engineering Communications ²	3
ENGRG 6050	Applied Statistics ²	3
INDUSTDY 1130	Wood Technology	3
INDUSTDY 4020	Topics in Industrial Studies	1-3
INDUSTDY 4660	Construction Management Internship ¹	1-8
AGET 4890	Structures and Environmental Control	3
Total Credits		119-128

¹ First 3 credits of internship are required. Only credits beyond 3 can count as elective credits.

² This course is intended for Accelerated Bachelor's to Master's students only.

CONSTRUCTION SAFETY MANAGEMENT EMPHASIS

Course	Title	Credits
Required Courses		9
INDUSTDY 1010	Principles of Safety and Risk Management	3
INDUSTDY 4670	Construction Safety Management Internship	3
BUSADMIN 3530	Organizational Behavior	3
or INDUSTDY 4980	Training and Supervision	
Required Construction Concentration Courses		
INDUSTDY 1100	Introduction to the Construction Industry	3
INDUSTDY 1300	Construction Computer Applications	3
INDUSTDY 2430	Building Construction Materials	3
INDUSTDY 3140	General Construction Estimating	3
INDUSTDY 3210	Commercial Construction Laboratory	3
INDUSTDY 3220	Construction Procedures	3
INDUSTDY 4630	Building Systems Analysis	3
or INDUSTDY 4050	Road and Infrastructure Lab	
INDUSTDY 4840	Construction Administration	3
INDUSTDY 4960	Commercial Building Planning and Construction Techniques	3
Required Safety Concentration Courses		
INDUSTDY 3180	Construction Safety Management	3
INDUSTDY 3570	Fleet Safety Management	3
INDUSTDY 3590	Industrial Hygiene and PPE	3

INDUSTDY 4410	Construction Hazard Control Solutions	3
INDUSTDY 4510	Construction Heavy Equipment Safety	3
INDUSTDY 4520	Construction Technical Certifications	3
INDUSTDY 4880	Fire Protection and Environmental Safety	3
INDUSTDY 4910	Construction Safety Capstone	3
Technical Electives ¹		6
ACCTING 2020	Management Accounting	3
BUSADMIN 2010	Business Communication	3
or ENGLISH 3000	Technical Writing	
BUSADMIN 2330	Leadership and Management	3
BUSADMIN 3030	Human Resource Management	3
or BUSADMIN 5030	Human Resource Management	
BUSADMIN 3130	The Legal Environment of Business	3
BUSADMIN 3230	Small Business Management	3
BUSADMIN 3540	Quality Management	3
or BUSADMIN 5540	Quality Management	
BUSADMIN 6100	Supply Chain Management	3
CIVILENG 2000	Introduction to Infrastructure	3
CIVILENG 2220	Civil and Environmental Engineering Computer Applications	2
ENGRG 5000	Engineering Communications ²	3
ENGRG 6050	Applied Statistics ²	3
GENENG 1030	Introduction to Engineering Projects	1
GENENG 1320	Engineering Computer Graphics	2
INDUSTDY 1130	Wood Technology	3
INDUSTDY 4020	Topics in Industrial Studies	1-3
INDUSTDY 4050	Road and Infrastructure Lab	3
INDUSTDY 4720	Seminar in Safety	3
INDUSTDY 4750	Disaster Preparedness	3
INDUSTDY 4970	Independent Study in the Department of Industrial Studies	1-3
INDUSTDY 4670	Construction Safety Management Internship ³	1-8
AGET 4890	Structures and Environmental Control	3

Total Credits**131-142**

- ¹ Must take at least 3 credits of Business Administration.
- ² This course is intended for Accelerated Bachelor's to Master's students only.
- ³ First 3 credits of internship are required. Only credits beyond 3 can count as elective credits.