

# CONSTRUCTION MANAGEMENT COMPREHENSIVE, BACHELOR OF SCIENCE

Offered by Department of Industrial Technology (<http://catalog.unk.edu/undergraduate/departments-programs/industrial-technology/>)

All College of Business and Technology Graduation Requirements (<http://catalog.unk.edu/undergraduate/departments-programs/industrial-technology/>) must be fulfilled.

Code	Title	Credit Hours
<b>General Education</b>		
<i>Foundational Requirements (LOPERs 1-4)</i>		12
Including:		
LOPER 4: Mathematics, Statistics and Quantitative Reasoning		
MATH 102	College Algebra <sup>1</sup>	
<i>Broad Knowledge Requirements (LOPERs 5-8)</i>		12
Including:		
LOPER 7: Social Science		
ECON 271	Principles of Economics, Microeconomics	
LOPER 8: Natural Science		
GEOG 103	The Dynamic Planet: Hazards in the Environment	
<i>Dispositional Requirements (LOPERs 9-10) <sup>2</sup></i>		6
<i>Wellness (LOPER 11) Optional</i>		0
<b>BS Science-related course</b>		
MATH 103	Plane Trigonometry	3
<b>Program-Specific Requirements</b>		<b>4-5</b>
Select one of the following options:		
PHYS 100 & 100L	Physical Science and Physical Science Laboratory	
Or		
PHYS 205 & 205L	General Physics I and Physics I Laboratory	
<b>Major Option</b>		
Complete all required courses		69
<b>Unrestricted electives</b>		
Needed to reach 120 credit hour minimum		14-13
Total Credit Hours		120

Students must earn a minimum 2.5 cumulative GPA in the core courses, including any emphasis areas required.

## Major Option

Code	Title	Credit Hours
<b>Technology Core Requirements</b>		
ITEC 120	Interpretation of Technical Documents	3
ITEC 130	Technology Today	3

<b>Construction Core Requirements</b>		
ITEC 116	Introduction to Construction Management	3
ITEC 208	Heavy Civil Construction Management	3
ITEC 212	Construction Estimating I	3
ITEC 230	Statics and Strength of Materials	3
ITEC 240	Construction Materials & Methods	3
ITEC 250	Construction Surveying	3
ITEC 312	Construction Estimating II	3
ITEC 341	Mechanical and Electrical Systems	3
ITEC 360	Building Codes and Inspections	3
ITEC 370	Construction Scheduling	3
ITEC 398	Advanced Virtual Design and Construction	3
ITEC 445	Human Factors & Productivity	3
ITEC 498	Seminar in Construction Management	3
SFED 460	Organization and Administration of Safety Programs	1
SFED 462	Supervision of Construction Safety Programs	2
<b>Management Core Requirements</b>		
MGT 301	Principles of Management	3
ACCT 250	Principles of Accounting I	3
MGT 233	Business Statistics	3
BSAD 295	Business Communications	3
ACCT 317	Construction Law	3
FIN 315	Construction Finance & Accounting	3
<b>Internship Requirement</b>		
ITEC 475	Management Technology Internship <sup>3</sup>	3
Total Credit Hours		69

1

Students with sufficient preparation may enter the mathematics program at a higher level. Students are required to take a LOPERs 4: Mathematics, Statistical, and Quantitative Reasoning course regardless of entry level.

2

Designated courses with the appropriate content may be approved to satisfy one of the Broad Knowledge requirements plus LOPER 9 or Broad Knowledge plus LOPER 10. Courses may be approved to satisfy LOPER 9 or LOPER 10 alone. (Courses satisfying LOPER 9 or LOPER 10 alone must be 3 credit hours.) Students applying this option will need to take additional hours in other categories to meet the required General Education hours.

3

Before registering for the internship, students must have Junior class standing and a 2.5 cumulative GPA in core courses including any emphasis areas required.

Note: Construction Management students must complete a minimum of 200 hours of documented construction experience OR hold an associate of applied science degree in construction or a closely related field prior to registering for ITEC 475 Internship.

This document represents a sample 4-year plan for degree completion with this major. Actual course selection and sequence may vary and should be discussed individually with your academic advisor. Advisors can also help you plan other experiences to enrich your undergraduate education such as internships, education abroad, undergraduate

research, learning communities, and service learning and community-based learning.

Code	Title	Credit Hours
<b>Semester 1</b>		
LOPR 126	First Year Seminar	3
MATH 102	College Algebra	3
ITEC 116	Introduction to Construction Management	3
ITEC 120	Interpretation of Technical Documents	3
ITEC 130	Technology Today	3
Total Credit Hours		15

Code	Title	Credit Hours
<b>Semester 2</b>		
ITEC 240	Construction Materials & Methods	3
MATH 103	Plane Trigonometry	3
LOPER 3: Oral Communication Skills		3
LOPER 2: Writing Skills		3
LOPER 5: Visual or Performing Arts		3
Total Credit Hours		15

Code	Title	Credit Hours
<b>Semester 3</b>		
ITEC 208	Heavy Civil Construction Management	3
ITEC 212	Construction Estimating I	3
ACCT 250	Principles of Accounting I	3
PHYS 100 & 100L	Physical Science and Physical Science Laboratory	4-5
or PHYS 205 & 205L	General Physics I and Physics I Laboratory	
GEOG 103	The Dynamic Planet: Hazards in the Environment (LOPER 8)	3
Total Credit Hours		16-17

Code	Title	Credit Hours
<b>Semester 4</b>		
ITEC 312	Construction Estimating II	3
ITEC 398	Advanced Virtual Design and Construction	3
MGT 233	Business Statistics	3
BSAD 295	Business Communications	3
LOPER 6: Humanities		3
Total Credit Hours		15

Code	Title	Credit Hours
<b>Semester 5</b>		
SFED 460	Organization and Administration of Safety Programs	1
SFED 462	Supervision of Construction Safety Programs	2
MGT 301	Principles of Management	3

ITEC 341	Mechanical and Electrical Systems	3
FIN 315	Construction Finance & Accounting	3
ECON 271	Principles of Economics, Microeconomics (LOPER 7)	3

Total Credit Hours 15

Code	Title	Credit Hours
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<b>Semester 6</b>		
ITEC 360	Building Codes and Inspections	3
ITEC 370	Construction Scheduling	3
ITEC 250	Construction Surveying	3
ITEC 230	Statics and Strength of Materials	3
LOPER 10: Respect for Human Diversity		3
Total Credit Hours		15

Code	Title	Credit Hours
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<b>Summer between Junior and Senior Year</b>		
ITEC 475	Management Technology Internship <sup>1</sup>	3

Code	Title	Credit Hours
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<b>Semester 7</b>		
ITEC 498	Seminar in Construction Management	3
ACCT 317	Construction Law	3
LOPER 9: Civic Competency and Engagement		3
Unrestricted Elective		3
Unrestricted Elective		3
Total Credit Hours		15

Code	Title	Credit Hours
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<b>Semester 8</b>		
ITEC 445	Human Factors & Productivity	3
Unrestricted Elective		3
Unrestricted Elective		3
Unrestricted Elective		1-2
Total Credit Hours		10