

## Construction Management, B.S.

UVU strives to ensure the accessibility of our catalogs. However, if individuals with disabilities need this document in a different format than provided, you may contact the Assistive Technology Center at ACCESSIBLETECH@uvu.edu or 801-863-6788.

### Requirements

Students may earn an Associate in Applied Science degree. The Clyde Institute of Construction Management Program has been designed to provide students a strong foundation in Construction Management that prepares them for jobs in construction site supervision and/or for advancement on to a BS degree in Construction Management. The program provides courses in building construction, construction management and construction science that apply to all segments of the construction industry with an emphasis on heavy civil and commercial construction. Students will learn about construction materials and methods through the use of readings, 3-D models, hands-on laboratory exercises, and site visits. Construction management courses in estimating and scheduling are also provided along with a strong background in mathematics, computer technology, business and other general education subjects. A supervisory course is also required so students can learn to manage workers at construction sites.

### Total Program Credits: 120

General Education Requirements:		35 Credits
	<a href="#">ENGL 1010</a> Introduction to Academic Writing	3
or	<a href="#">ENGL 1005</a> Literacies and Composition Across Contexts (5)	
	<a href="#">ENGL 2010</a> Intermediate Writing Academic Writing and Research	3
Complete one of the following:		3
	<a href="#">MAT 1030</a> Quantitative Reasoning (3)	
	<a href="#">MAT 1035</a> Quantitative Reasoning with Integrated Algebra (6)	
	<a href="#">STAT 1040</a> Introduction to Statistics (3)	
	<a href="#">STAT 1045</a> Introduction to Statistics with Algebra (5)	
	<a href="#">MATH 1050</a> College Algebra (4)	
	<a href="#">MATH 1055</a> College Algebra with Preliminaries (5)	
	<a href="#">MATH 1090</a> College Algebra for Business (3)	
Complete one of the following:		3
	<a href="#">HIST 1700</a> American Civilization (3)	
	<a href="#">HIST 1740</a> US Economic History (3)	
	<a href="#">HIST 2700</a> US History to 1877 (3)	
and	<a href="#">HIST 2710</a> US History since 1877 (3)	
	<a href="#">POLS 1000</a> American Heritage (3)	
	<a href="#">POLS 1100</a> American National Government (3)	
Complete the following:		
	<a href="#">PHIL 2050</a> Ethics and Values	3
	<a href="#">HLTH 1100</a> Personal Health and Wellness (2)	
or	<a href="#">EXSC 1097</a> Fitness for Life	2
Distribution Courses		
	Biology Distribution <sup>1</sup>	3
	Humanities Distribution <sup>2</sup>	3
	Social Science Distribution <sup>3</sup>	3

	Physical Science Distribution <sup>4</sup>	3
	Science (3rd) Distribution <sup>5</sup>	3
	Fine Arts Distribution <sup>6</sup>	
		76 Credits
	<a href="#">CMGT 1010</a> Introduction to Construction Management	3
	<a href="#">CMGT 1150</a> Construction Safety	2
	<a href="#">CMGT 1190</a> Concrete and Framing Lab	3
or	<a href="#">CMGT 1220</a> Finishing Lab (3)	
or	<a href="#">CMGT 281R</a> Internship (1) (3 credits maximum towards graduation)	
	<a href="#">CMGT 1020</a> Construction Materials and Methods I	3
	<a href="#">CMGT 2010</a> Construction Materials and Methods II	3
	<a href="#">CMGT 2035</a> Construction Computer Applications	3
or	<a href="#">IM 2010</a> Business Computer Proficiency (3)	
	<a href="#">CMGT 2060</a> Construction Job Site Management	3
	<a href="#">CMGT 2080</a> Principles of Construction Scheduling	3
	<a href="#">CMGT 289R</a> Construction Industry Seminar (Must be taken twice for a total of one credit.)	1
	<a href="#">CMGT 3010</a> Construction Materials Testing	3
	<a href="#">CMGT 3030</a> Principles of Construction Estimating	3
	<a href="#">CMGT 3060</a> Applied Statics and Strength of Materials	3
or	<a href="#">EGDT 2600</a> Applied Structures I - Statics (3)	
and	<a href="#">EGDT 2610</a> Applied Structures II - Strength of Materials (3)	
	<a href="#">CMGT 3080</a> Construction Financial Management	3
	<a href="#">CMGT 4500</a> Senior Capstone	3
	<a href="#">CMGT 481R</a> Internship (1) (1 credit required for graduation. Maximum of 4 credits may count towards graduation. Students with sufficient management experience may choose an upper division elective in CMGT, EGDT, SURV or Woodbury School of Business with department approval)	1
	<a href="#">LEGL 3000</a> Business Law	3
	<a href="#">EGDT 1400</a> Surveying Applications and Field Techniques I	3
	<a href="#">EGDT 1600</a> Technical Math--Algebra	3
	<a href="#">EGDT 1610</a> Technical Math--Geometry Trig	3
	<a href="#">ACC 3000</a> Financial Managerial and Cost Accounting Concepts (Highly recommended)	3
or	<a href="#">ACC 2010</a> Financial Accounting (3)	
and	<a href="#">ACC 2020</a> Managerial Accounting (3)	
Complete 21 credits from one of the following two specializations (A minimum of 5 credits must be upper division):		21
Heavy/Civil		
	<a href="#">EGDT 1040</a> Fundamentals of Technical Engineering Drawing (3)	

## Construction Management, B.S.

	EGDT 2400	Surveying Applications and Field Techniques II (3)	
	CMGT 3050	Construction Equipment/Planning and Logistics (3)	
	CMGT 3090	Principles of Hydrology in Construction Management (3)	
or	SURV 3230	Construction and Route Surveys (3)	
	CMGT 4010	Construction Contracts (3) <sup>7</sup>	
	EGDT 3500	Advanced Civil Drafting and Design (3)	
Commercial/Residential			
	BIT 1010	Building Codes (3)	
or	BIT 1020	Residential Codes (3)	
	EGDT 1020	Residential Codes (3)	
	CMGT 3020	Building Envelopes and Mechanical Systems (3)	
	CMGT 3160	Building Information Modeling (3)	
	CMGT 4020	Construction Project Management (3) (High Recommended)	
or	TECH 3400	Project Management WE (3)	
Elective Requirements:			9 Credits
Choose 9 credits from the following:			9
	Upper division Woodbury School of Business courses		
	Upper division Technology Management courses		
	Other upper division Technical Specialty courses as approved by Department Chair		
	Any upper division CMGT or EGDT courses not already completed.		

<sup>6</sup>Highly Recommended: EGDT 1720. See catalog for approved listings

<sup>7</sup>Students who have passed the state Real Estate exam may receive substitution credit. See advisor for more information.

### **Graduation Requirements:**

1. Completion of a minimum of 120 semester hours
2. A minimum of 40 credits must be upper-division (numbered 3000 or above).
3. Overall grade point average of 2.0 (C) or above
4. No grade lower than a C- in any Discipline Core or Elective course
5. Completion of GE and specified departmental requirements
6. Residency hours - Minimum of 30 credit hours through course attendance at UVU, with at least 10 hours earned in the last 45 hours
7. Successful completion of at least one Global/Intercultural course.

Footnote
<sup>1</sup> See catalog for approved listings
<sup>2</sup> Highly Recommended: COMM 1020 Public Speaking. See catalog for approved listings.
<sup>3</sup> Recommended: MGMT 2110 or COMM 2110 Interpersonal Communication or FIN 1060 Personal Finance. See catalog for approved listings
<sup>4</sup> Recommended: PHYS 1010 Elementary Physics or PHSC 1000 Survey of Physical Science. See catalog for approved listings
<sup>5</sup> Recommended: GEO 1010 Introduction to geology or ENVT 1110 Introduction to Environmental Management. See catalog for approved listings

## Construction Management, B.S. Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in [Wolverine Track](#).

Milestone courses (pre-requisites for a course in one of the subsequent semesters) are marked in red and Italicized.

Semester 1	Course Title	Credit Hours
<i>ENGL 1010 or ENGH 1005</i>	Introduction to Writing of Literacies and Composition Across Contexts	3
Complete one of the following		3
<i>MAT 1030</i>	Quantative Reasoning	
<i>MAT 1035</i>	Quantitative Reasoning with Integrated Algebra	
<i>STAT 1040</i>	Introduction to Statistics	
<i>STAT 1045</i>	Introduction to Statistics with Algebra	
<i>MATH 1050</i>	College Algebra	
<i>MATH 1055</i>	College Algebra	
<i>MATH 1090</i>	College Algebra with Preliminaries	
<i>Fine Arts Distribution</i>	(EGDT 1720 recommended)	3
<i>CMGT 1010</i>	Introduction to Construction Management	3
CMGT 1150	Construction Safety	2
CMGT 289R	Construction Industry Seminar	0.5
	Semester total:	14.5
Semester 2	Course Title	Credit Hours
<i>ENGL 2010</i>	Intermediate Writing-Humanities/Social Science (Highly recommended) or Intermediate Writing-Science/Technology	3
<i>Humanities</i>	Highly Recommended: Comm 1020 - Public Speaking	3
<i>CMGT 1020</i>	Construction Materials and Methods I	3
Complete one of the following		3
<i>CMGT 1190</i>	Concrete and Framing Lab	
<i>CMGT 1220</i>	Finishing Lab	
<i>CMGT 281R</i>	Internship	
<i>CMGT 2035 or IM 2010</i>	Construction Computer Applications or Business Computer Proficiency	3
CMGT 289R	Construction Industry Seminar	.5
EGDT 1600	Technical Math Algebra	3
	Semester total:	18.5
Semester 3	Course Title	Credit Hours
Physical Science Distribution	PHYS 1010 or PHSC 1000 recommended	3
<i>CMGT 2010</i>	Construction Materials and Methods II	3

## Construction Management, B.S.

EGDT 1610	Technical Math Geometry Trig	3
EGDT 1400	Surveying Applications and Field Techniques I	3
Specialization:		3
EGDT 1040	Heavy Civil Track (3)	
EGDT 1020	Commercial/Residential Track (3)	
	Semester total:	15
Note: Beginning in the third semester students have the option of choosing between two Specializations: Commercial/Residential or Heavy/Civil. Please see your advisor for more information.		
Semester 4	Course Title	Credit Hours
Third Science Distribution	GEO 1010 or ENVT 1110 highly recommended	3
<i>Social/ Behavioral Science Distribution</i>	MGMT 2110 or COMM 2110 or FIN 1060 Recommended	3
CMGT 2060	Construction Job Site Management	3
CMGT 2080	Principals of Construction Scheduling	3
Specialization:		3
EGDT 2400	Heavy Civil Track	
BIT 1010 or BIT 1020	Commercial/Residential Track	
	Semester total:	15
Semester 5	Course Title	Credit Hours
<i>BIOLOGY Distribution</i>		3
CMGT 3010	Construction Materials Testing	3
CMGT 3030	Principles of Construction Estimating	3
CMGT 3060	Applied Statics and Strength of Materials	3
Complete one of the following:		3
ACC 3000	Financial Managerial and Cost Accounting Concepts (Highly recommended)	
ACC 2110	Principals of Accounting I	
and ACC 2120	Principals of Accounting II	
	Semester total:	15
Semester 6	Course Title	Credit Hours
CMGT 3080	Construction Financial Management	3
CMGT 405G	Global Sustainability and the Built Environment	3
LEGL 3000	Business Law	3
Specialization		3
CGMT 3050	Heavy/Civil Track	
CMGT 3020	Commercial/Residential Track	
	Semester total:	15
Semester 7	Course Title	Credit Hours
PHIL 2050 or PHIL 205G	Ethics and Values	3

HLTH 1100 or EXSC 1097	Personal Health and Wellness or Fitness for Life	2
CMGT 4010	Construction Contracts	3
CMGT 481R	Internship	1
Specialization:		3
CMGT 3090 or SURV 3230	Heavy/Civil Track	
CMGT 3160	Commercial/Residential Track	
Upper Division Elective	WSOB, TECH, CGMT, or EGDT course not already completed	3
	Semester total:	15
Semester 8	Course Title	Credit Hours
CMGT 4500	Senior Capstone	3
Specialization:		3
EGDT 3500	Heavy/Civil Track	
CMGT 4020 or TECH 3400	Commercial/Residential Track	
Upper Division Elective	WSOB, TECH, CGMT, or EGDT course not already completed	3
Upper Division Elective	WSOB, TECH, CGMT, or EGDT course not already completed	3
	Semester total:	12
	Degree total:	120