

Construction Management, B.S.

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	
	ENGL 1010	Introduction to Academic Writing	3
or	ENGH 1005	Literacies and Composition Across Contexts (5.0)	
	ENGL 2010	Intermediate Writing Academic Writing and Research	3
Complete one of the following:		3	
	MAT 1030	Quantitative Reasoning (3.0)	
	MAT 1035	Quantitative Reasoning with Integrated Algebra (6.0)	
	STAT 1040	Introduction to Statistics (3.0)	
	STAT 1045	Introduction to Statistics with Algebra (5.0)	
	MATH 1050	College Algebra (4.0)	
	MATH 1055	College Algebra with Preliminaries (5.0)	
Complete one of the following:		3	
	HIST 1700	American Civilization (3.0)	
	HIST 1740	US Economic History (3.0)	
	HIST 2700	US History to 1877 (3.0)	
and	HIST 2710	US History since 1877 (3.0)	
	POLS 1000	American Heritage (3.0)	
	POLS 1100	American National Government (3.0)	
Complete the following:			
	PHIL 2050	Ethics and Values	3
	HLTH 1100	Personal Health and Wellness (2.0)	
or	PES 1097	Fitness for Life	2
Distribution Courses			
	Biology ¹		3
	Humanities	(COMM 1020 Highly Recommended)	3
	Social Science	(MGMT 2110 or COMM 2110 or FIN 1060 Recommended) ¹	3
	Physical Science	(PHYS 1010 or PHSC 1000 Recommended) ¹	3
	Science (3rd)	(GEO 1010 or ENVT 1110 Recommended) ¹	3
	Fine Arts	(EGDT 1720 Highly Recommended) ¹	3
Discipline Core Requirements:		76 Credits	

	CMGT 1010	Introduction to Construction Management	3
	CMGT 1150	Construction Safety	2
	CMGT 1190	Concrete and Framing Lab	3
or	CMGT 1220	Finishing Lab (3.0)	
or	CMGT 281R	Internship (1.0) (3 credits maximum towards graduation)	
	CMGT 1020	Construction Materials and Methods I	3
	CMGT 2010	Construction Materials and Methods II	3
	CMGT 2035	Construction Computer Applications	3
or	IM 2010	Business Computer Proficiency (3.0)	
	CMGT 2060	Construction Job Site Management	3
	CMGT 2080	Principles of Construction Scheduling	3
	CMGT 289R	Construction Industry Seminar (Must be taken twice for a total of one credit.)	1
	CMGT 3010	Construction Materials Testing	3
	CMGT 3030	Principles of Construction Estimating	3
	CMGT 3060	Applied Statics and Strength of Materials	3
or	EGDT 2600	Applied Structures I - Statics (3.0)	
and	EGDT 2610	Applied Structures II - Strength of Materials (3.0)	
	CMGT 3080	Construction Financial Management	3
	CMGT 4500	Senior Capstone Project	3
	CMGT 481R	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
	LEGL 3000	Business Law	3
	EGDT 1400	Surveying Applications and Field Techniques I	3
	EGDT 1600	Technical Math--Algebra	3
	EGDT 1610	Technical Math--Geometry Trig	3
	ACC 3000	Financial Managerial and Cost Accounting Concepts (Highly recommended)	3
or	ACC 2010	Financial Accounting (3.0)	
and	ACC 2020	Managerial Accounting (3.0)	
Complete 21 credits from one of the following two specializations (A minimum of 5 credits must be upper division):		21	
Heavy/Civil			
	CMGT 3050	Construction Equipment/Planning and Logistics (3.0)	
	CMGT 3090	Principles of Hydrology in Construction Management (3.0)	
or	SURV 3230	Construction and Route Surveys (3.0)	
	CMGT 4010	Construction Contracts (3.0)	
	CMGT 405G	Global Sustainability and the Built Environment (3.0)	
or	SURV 455G	Global Professional Ethics and Liabilities (3.0)	
	EGDT 1040	Fundamentals of Technical Engineering Drawing (3.0)	

Construction Management, B.S.

	EGDT 2400	Surveying Applications and Field Techniques II (3.0)	
	EGDT 3500	Advanced Civil Drafting and Design (3.0)	
Commercial/Residential			
	BIT 1010	Building Codes (3.0)	
or	BIT 1020	Residential Codes (3.0)	
	CMGT 3020	Building Envelopes and Mechanical Systems (3.0)	
	CMGT 3160	Building Information Modeling (3.0)	
	CMGT 4010	Construction Contracts (3.0)	
or	LEGL 3140	Real Estate Law (3.0)	
	CMGT 405G	Global Sustainability and the Built Environment (3.0)	
	EGDT 1020	3D Architectural Modeling (3.0)	
	CMGT 4020	Construction Project Management (3.0) (High Recommended)	
or	TECH 3400	Project Management (3.0)	
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 EGDG courses not already completed.		

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
¹ See catalog for approved listings

Construction Management, B.S. Graduation Plan

NOTE: This Graduation Plan has not been updated by the Construction Technologies Department. Please contact the department for an updated 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>CMGT 1010</i>	Introduction to Construction Management	3
CMGT 1150	Construction Safety	2
Humanities	Choose from approved list. Comm 1020 - Public Speaking (Highly recommended)	3
<i>EGDT 1600</i>	Technical Math - Algebra	3
<i>ENGL 1005 or 1010</i>	Introduction to Writing	3
HLTH 1100 or PES 1097	Personal Health and Wellness or Fitness for Life	2
	Semester total:	16
Semester 2	Course Title	Credit Hours
<i>CMGT 1020</i>	Construction Materials and Methods I	3
<i>EGDT 1400</i>	Surveying Applications and Field Techniques I	3
<i>ENGL 2010</i>	Intermediate Writing-Humanities/Social Science (Highly recommended) or Intermediate Writing-Science/Technology	3
<i>EGDT 1610</i>	Technical Math-Geometry/Trigonometry	3
<i>CMGT 2035 or IM 2010 or IM 2600 or IM 3700</i>	Business Computer Proficiency or Database Applications	3
	Semester total:	15
Semester 3	Course Title	Credit Hours
CMGT 1190 or CMGT 1220 or CMGT 281R	Concrete and Framing Lab or Finishing Lab or 281R Internship: Department approval; Internship Orientation	3
<i>CMGT 2010</i>	Construction Materials and Methods II	3
CMGT 289R	Student Professional Organization - Must be repeated for a total of one (1) credit minimum; three (3) credits maximum may apply toward graduation	0.5
<i>EGDT 1020 or EGDT 1040</i>	3D Architectural Modeling (Commercial/Residential Specialization) or Fundamentals of Technical Engineering Drawing	3
<i>MAT 1030 or MAT 1035</i>	Quantative Reasoning or Quantitative Reasoning with Integrated Algebra	3
Physical Science Distribution	Choose from approved list. PHYS 1010 or PHSC 1000 recommended	3
	Semester total:	15.5
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.		

Construction Management, B.S.

Semester 4	Course Title	Credit Hours
ACC 3000 or ACC 2010 and ACC 2020	Financial Managerial and Cost Accounting Concepts (Highly recommended) or Financial Accounting and Managerial Accounting	3
BIOLOGY Distribution	Choose from approved list	3
BIT 1010 or EGDT 2400	Building Codes (Commercial/Residential Specialization) or Residential Codes (Commercial/Residential Specialization) or Surveying Applications and Field Techniques II (Heavy/Civil Specialization)	3
Fine Arts	EGDT 1720 - Architectural Rendering (Highly recommended)	3
Third Science Distribution	Choose from approved list. GEO 1010 or ENVT 1110 highly recommended	3
	Semester total:	15
Semester 5	Course Title	Credit Hours
CMGT 2080	Principles of Construction Scheduling	3
CMGT 3010	Construction Materials Testing	3
CMGT 289R	Student Professional Organization - Must be repeated for a total of one (1) credit minimum; three (3) credits maximum may apply toward graduation	0.5
LEGL 3000	Business Law	3
Social/Behavioral Science Distribution	MGMT 2110 or COMM 2110 or FIN 1060 Recommended	3
PHIL 2050	Ethics and Values	3
	Semester total:	15.5
Semester 6	Course Title	Credit Hours
CMGT 3020	Building Envelopes and Mechanical Systems (Commercial/Residential Specialization)	3
CMGT 3050	Construction Equipment/Planning and Logistics (Heavy/Civil Specialization)	
CMGT 3160	Building Information Modeling (Commercial/Residential Specialization)	3
CMGT 3090 or SURV 3230	Hydraulics of Water (Heavy/Civil Specialization) or Construction and Route Surveys(Heavy/Civil Specialization)	
CMGT 2060	Construction Job Site Management	3
CMGT 4020 or TECH 3400	Construction Project Management (Commercial/Residential Specialization) or Project Management (Commercial/Residential Specialization)	3
CMGT 4010 or LEGL 3140	Construction Contracts (Heavy/Civil Specialization) or Real Estate Law (Commercial/Residential Specialization)	
CMGT 405G or SURV 455G	Global Sustainability and the Built Environment (Heavy Civil Specialization) or Global Professional Ethics and Liabilities (Heavy Civil Specialization)	3
CMGT 405G	Global Sustainability and the Built Environment (Commercial/Residential Specialization)	
	Semester total:	15
Semester 7	Course Title	Credit Hours

CMGT 3060 or EGDT 2600 and EGDT 2610	Applied Statics and Applied Structures I - Statics or Applied Structures II - Strength of Materials	3
CMGT 3080	Construction Financial Management	3
CMGT 4010 or LEGL 3140	Construction Documents (Commercial/Residential Specialization) or Real Estate Law (Commercial/Residential Specialization)	3
CMGT 3030	Principles of Construction Estimating	
CMGT 4500	Senior Capstone Project - Junior Standing and Dept. approval required	3
Upper Division Elective	MGMT 3000, 3440, 3500, TECH 3000, 3010, 3400, 3700, 3850, 4200, 4400, 4420; LEGL 3130, 3140, 3170, also ENVT, SURV, ACC, MKTG, GEO courses. See Dept Chair and/or the CMGT academic advisor for approval of other courses not on the list.	3
	Semester total:	15
Semester 8	Course Title	Credit Hours
EGDT 3500	Advanced Civil Drafting & Design (Heavy/Civil Specialization)	3
CMGT 481R	Internship (1.0) (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
HIST 1700 or HIST 1740 or POLS 1000 or POLS 1100 or HIST 2700 and HIST 2710	American Civilization or US Economic History or American Heritage or American National Government or US History to 1877 and US History from 1877	3
Upper Division Elective	CMGT 459R (fall only),MGMT 3000, 3440, 3500, TECH 3000, 3010, 3400, 3700, 3850, 4200, 4400, 4420; LEGL 3130, 3140, 3170, also ENVT, SURV, ACC, MKTG, GEO courses. See Dept Chair and/or the CMGT academic advisor for approval of other courses not on the list.	3
Upper Division Elective	CMGT 459R (fall only),MGMT 3000, 3440, 3500, TECH 3000, 3010, 3400, 3700, 3850, 4200, 4400, 4420; LEGL 3130, 3140, 3170, also ENVT, SURV, ACC, MKTG, GEO courses. See Dept Chair and/or the CMGT academic advisor for approval of other courses not on the list.	3
	Semester total:	13
	Degree total:	120