Construction Management, B.S.

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.

Program Requirements

Total Credit Hours General Education Requirements ENGL 1010 Introduction to Academic Writing CC or ENGH 1005 Literacies and Composition Across Contexts CC ENGL 2010 Intermediate Academic Writing CC Complete one of the following:	Credit Hours
ENGL 1010 Introduction to Academic Writing CC or ENGH 1005 Literacies and Composition Across Contexts CC ENGL 2010 Intermediate Academic Writing CC Complete one of the following: MAT 1030 Quantitative Reasoning QL (3) MAT 1035 Quantitative Reasoning QL (3) STAT 1040 Introduction to Statistics QL (3) STAT 1040 Introduction to Statistics QL (3) STAT 1045 Introduction to Statistics with Algebra QL (6) MATH 1050 College Algebra QL (4) MATH 1050 College Algebra QL (4) MATH 1050 College Algebra VL (4) MATH 1050 College Algebra VL (4) MATH 1050 College Algebra for Business QL (5) MATH 1050 College Algebra for Business QL (3) Complete one of the following: HIST 1700 American Civilization AS (3) HIST 1740 US Economic History AS (3) HIST 1740 US Economic History AS (3) HIST 1740 US History to 1877 AS & HIST 2710 and US History since 1877 AS (6) POLS 1000 American Heritage AS (3) POLS 1000 American Heritage AS (3) POLS 1000 American Heritage AS (3) POLS 1000 Enticos History AS (3) POLS 1000 Personal Health and Wellness TE or EXSC 1097 Finess for Life TE PHIL 2050 Ethics and Values IH HLTH 1100 Personal Health and Wellness TE or EXSC 1097 Finess for Life TE Physical Sciences Distribution ³ Finess for Life TE Physical Sciences Distribution ³ Finess for Life TE	120
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Physical Science Distribution ⁴ Third Science Distribution ⁵ Fine Arts Distribution ⁶	3
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	Credits
CMGT 1010 Introduction to Construction Management WE	3
CMGT 1150 Construction Safety	2
Complete one of the following:	3
CMGT 1190 Concrete and Framing Lab (3)	
CMGT 1220 Finishing Lab (3)	
CMGT 281R Internship (1-6) (3 credits maximum towards graduation.)	

CMGT 1020 Construction Materials and Methods I GMGT 2010 Construction Advancels and Methods II GMGT 2020 Construction Computer Applications or IM 2010 Business Computer Proliciency GMGT 2020 Construction Computer Applications GMGT 2020 Principles of Construction Estimating GMGT 2020 Principles of Construction Estimating GMGT 2020 Principles of Construction Estimating GMGT 2020 Construction Materials Testing GMGT 2020 Principles of Construction Estimating GMGT 2020 Construction Materials Testing GMGT 2020 Applied Statics and Strength of Materials (5) EGDT 2020 Applied Statics and Strength of Materials (5) GMGT 3030 Construction Financial Management GMGT 405 GGG Global Structures I - Stratics 4 EGDT 2400 Senior Capatone GMGT 400 Construction Contracts GMGT 400 Senior Capatone GMGT 40	CMGT 1020	Construction Materials and Methods I	2
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Choose 9 credits from the following: 9 Upper division Woodbury School of Business courses 9 Upper division Technology Management courses 9	Elective Requirements		
Upper division Woodbury School of Business courses Upper division Technology Management courses	Choose 9 credits from the following:		
Upper division Technology Management courses		of Business courses	9

Any upper division CMGT or EGDT courses not already completed

1

See catalog for approved listings

2

Highly Recommended: COMM 1020 Public Speaking HH. See catalog for approved listings.

3

Recommended: COMM 2110 Interpersonal Communication SS or FIN 1060 Personal Finance SS. See catalog for approved listings.

4

Recommended: PHYS 1010 Elementary Physics PP or PHSC 1000 Survey of Physical Science PP. See catalog for approved listings.

5

Recommended: GEO 1010 Introduction to Geology PP or ENVT 1110 Introduction to Environmental Management PP. See catalog for approved listings.

6

Highly Recommended: EGDT 1720 Architectural Rendering FF. See catalog for approved listings.

7

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.
- 8. Successful completion of at least two Writing Enriched (WE) courses.

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 (http:// www.uvu.edu/wolverinetrack/).

First Year		
Semester 1		Credit Hours
ENGL 1010	Introduction to Academic Writing CC	3
or ENGH 1005	or Literacies and Composition Across Contexts CC	
Complete one of the following:		3
MAT 1030	Quantitative Reasoning QL	
MAT 1035	Quantitative Reasoning with Integrated Algebra QL	
STAT 1040	Introduction to Statistics QL	
STAT 1045	Introduction to Statistics with Algebra QL	
MATH 1050	College Algebra QL	
MATH 1055	College Algebra with Preliminaries QL	
MATH 1090	College Algebra for Business QL	
Fine Arts Distribution (EGDT 1720 recommended)		3
CMGT 1010	Introduction to Construction Management WE	3
CMGT 1150	Construction Safety	2
CMGT 289R	Construction Industry Seminar	0.5
	Credit Hours	14.5
Semester 2		
ENGL 2010	Intermediate Academic Writing CC	3
Humanities Distribution (COMM 1020 recommended)		3
CMGT 1020	Construction Materials and Methods I	3
Complete one of the following:		3
CMGT 1190	Concrete and Framing Lab	
CMGT 1220	Finishing Lab	
CMGT 281R	Internship	

		120
	Credit Hours	12
Upper Division Elective (WSOB, TECH, CM	MGT, or EGDT course not already completed)	3
	MGT, or EGDT course not already completed)	3
	ercial/Residential Track (CMGT 4020 or TECH 3400)	3
CMGT 4500	Senior Capstone	3
Semester 8		
	Credit Hours	15
Upper Division Elective (WSOB, TECH, CM	MGT, or EGDT course not already completed)	3
	3230) or Commercial/Residential Track (CMGT 3160)	3
CMGT 481R	Internship	1
CMGT 4010	Construction Contracts	3
or EXSC 1097	or Fitness for Life TE	
or PHIL 205G HLTH 1100	or Ethics and Values IH GI Personal Health and Wellness TE	2
Semester 7 PHIL 2050	Ethics and Values IH	3
Fourth Year		
	Credit Hours	15
Heavy/Civil Track (CMGT 3050) or Comme	ercial/Residential Track (CMGT 3020)	3
LEGL 3000	Business Law	3
CMGT 405G	Global Sustainability and the Built Environment GI WE	3
CMGT 3080	Construction Financial Management	3
American Institutions		3
Semester 6		
	Credit Hours	15
& ACC 2120	and Principles of Accounting I	
ACC 3000 ACC 2110	Principles of Accounting I	
ACC 3000	Financial Managerial and Cost Accounting Concepts	3
Complete one of the following:	Applica status and strength of materials	3
CMGT 3060	Applied Statics and Strength of Materials	3
CMGT 3030	Principles of Construction Estimating	3
CMGT 3010	Construction Materials Testing	3
Biological Distribution		3
Semester 5		
Third Year		13
,	Credit Hours	
	rcial/Residential track (BIT 1010 or BIT 1020)	3
CMGT 2080	Principles of Construction Scheduling	3
CMGT 2060	Construction Job Site Management	3
Social-Behavioral Science Distribution (CO		3
Third Science Distribution (GEO 1010 or E	NVT 1110 recommended)	3
Semester 4		10
	Credit Hours	
Heavy Civil Track (EGDT 1040) or Comme		3
EGDT 1400	Surveying Applications and Field Techniques I	3
EGDT 1610	Technical Math Geometry Trig	3
CMGT 2010	Construction Materials and Methods II	3
Physical Science Distribution (PHYS 1010	or PHSC 1000 recommended)	3
Semester 3		
Second Year	Clear Hours	10.5
	Technical Math Algebra Credit Hours	18.5
EGDT 1600	Construction Industry Seminar	3
CMGT 289R	or Business Computer Proficiency	0.5
CMGT 2035 or IM 2010	Construction Computer Applications	3

Program Learning Outcomes

1. Construction project management from pre-design through commissioning.

2. An ability to analyze the local and global impact of project life-cycle and sustainability.

3. Recognition of the need for health and safety, accident prevention, and regulatory compliance.

4. An ability to apply knowledge of law, contract documents administration, and dispute prevention and resolution.

- 5. An understanding of materials, labor and methods of construction.
- 6. An ability to apply knowledge finance and accounting principles.
- 7. An ability to use and apply current technical concepts and practices in planning and scheduling.
- 8. An ability to design, implement, and evaluate construction cost management including plan reading, quantity take offs and estimating.
- 9. An ability to identify and analyze project delivery methods.
- 10. An ability to function effectively on teams and demonstrate skills in leadership and managing people.
- 11. An ability to use and apply verbal and written business and communication skills.