

EFFECTIVE WITH CLASS ENTERING FALL 2016

CONSTRUCTION ENGINEERING TECHNOLOGY Curriculum

PROGRAM COORDINATOR:

Prof. William Manion
112 Machine Tool Lab
(207) 581-2184
wmanion@maine.edu

<u>Course Symbol</u>	<u>Course Title</u>	<u>Lec</u>	<u>Lab/ Rec</u>	<u>Cred</u>	<u>notes</u>
<u>SEMESTER I (Fall)</u>					
CET 100	Introduction to Construction Management	1	0	1	HVSC ¹
CMJ 103	Fundamentals of Public Communication	3	0	3	
MAT 122	Pre-calculus	4	0	4	
PHY 107	Technical Physics I	2	4	4	
SVT 121	AutoCAD for Surveyors I	<u>3</u>	<u>0</u>	<u>3</u>	
		13	4	15	
<u>SEMESTER II (Spring)</u>					
CET 101	Plane Surveying	2	2	3	
ENG 101	College Composition	3	0	3	
PHY 108	Technical Physics II	2	4	4	
TME 152	Introductory Calculus for Eng Tech	<u>3</u>	<u>0</u>	<u>3</u>	
		10	6	13	
<u>SEMESTER III (Fall)</u>					
CET 202	Construction Surveying	2	2	3	
CET 228	Introduction to Construction Estimating and Planning	2	2	3	
CIE 110	Materials	3	0	3	
CIE 111	Materials Laboratory	0	2	1	
TME 253	Applied Calculus for Engineering Technology	<u>4</u>	<u>0</u>	<u>4</u>	
		11	6	14	
<u>SEMESTER IV (Spring)</u>					
CET 221	Construction Methods	3	0	3	
CET 224	Construction Safety	3	0	3	
STS 215	Intro. to Statistics for Business & Economics (or)	3	0	3	
STS 232	Principles Statistical Inference				
ECO 120	Principles of Microeconomics (or)	3	0	3	HVSC ¹
ECO 121	Principles of Macroeconomics				
—	HVSC Elective	<u>3</u>	<u>0</u>	<u>3</u>	HVSC ¹
		15	0	15	

CONSTRUCTION ENGINEERING TECHNOLOGY Fall 2016 Curriculum

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<u>SEMESTER V (Fall)</u>					
BUA 201	Principles of Financial Accounting	3	0	3	
CET 326	Soil Mechanics and Foundations	3	0	3	
CET 327	Soil Mechanics and Foundations Lab	0	2	1	
CET 356	Construction Project Administration	2	2	3	
CET 451	Construction Law	3	0	3	HVSC ¹
ENG 317	Business and Technical Writing	<u>3</u>	<u>0</u>	<u>3</u>	
		14	4	16	
<u>SEMESTER VI (Spring)</u>					
CET 332	Civil Infrastructure	3	0	3	
CET 360	Preconstruction Services	2	2	3	
CET 413	Statics and Strength of Materials	3	2	4	
CMJ 257	Business & Professional Communication	<u>3</u>	<u>0</u>	3	alt ²
— —	Technical Elective			<u>3</u>	TE
		11	4	16	
<u>SEMESTER VII (Fall)</u>					
CET 458	Management of Construction	3	0	3	
CET 462	Construction Planning & Scheduling	2	2	3	
CET 412	Sust Pop & Envir Design & Construction	<u>3</u>	<u>0</u>	3	HVSC ¹
— —	HVSC Elective			3	HVSC ¹
— —	Construction Elective			<u>3</u>	CE
		8	2	15	
<u>SEMESTER VIII (Spring)</u>					
CET 414	Structural Design	3	2	4	
MET 484	Engineering Economics	3	0	3	
— —	Construction Elective			3	CE
— —	HVSC Elective	<u>3</u>	<u>0</u>	3	HVSC ¹
— —	Technical Elective			<u>3</u>	TE
		9	2	16	
— —	Ethics Requirement				Ethics ³

TOTAL DEGREE HOURS REQUIRED FOR BACHELOR'S DEGREE: 120

STUDENT MUST SEE ADVISOR FOR APPROVAL OF ALL ELECTIVES

Lists of approved HVSC courses that meet the General Education requirements and Technical Electives are available in the SET office, 119 Boardman Hall. *Notes:*

1. The Human Values and Social Context (HVSC) general education requirements are a minimum of 18 credits covering five areas: 1. Western cultural tradition; 2. Social context and institutions (covered with CMJ 103, ECO 120 or 121, CET 451); 3. Cultural diversity and international perspectives; 4. Population and the environment (covered with CET 412); and 5. Artistic and creative expression. See the undergraduate course catalog for more detail about the General Education Requirements: <https://umaine.edu/handbook/academics/general-education-requirements/>
2. Other communication classes such as CMJ345, CMJ347 or CMJ367 may be substituted for CMJ257 with advisor permission
3. The General Education Ethics requirement can be satisfied with an HV/SC elective or other such designated course.