

CET option in Construction Engineering and Structural Systems Technology

Course Number	Course Title	Credits
Freshmen first semester (15 credits)		
MET 100	Engineering Graphics	3
ENGN 110	Freshman Engineering and Technology I	2
MATH 162M	Precalculus I	3
CHEM 115N	Foundations of Chemistry	4
ENGL 110C	English Composition	3
Freshmen second semester (15 credits)		
MET 230	Computer Aided Drafting	3
ENGN 111	Freshman Engineering and Technology II	2
MATH 163	Precalculus II	3
PHYS 111N	General Physics I	4
Gen Ed Literature Perspective (L)		3
Sophomore first semester (17 credits)		
CET 200	Statics	3
MATH 212	Calculus I	4
PHYS 112N	General Physics II	4
ENGL 131C	Technical and Scientific Writing	3
Gen Ed Social Science Perspective (S)		3
Sophomore second semester (13 credits)		
CET 220	Strength of Materials	3
CET 305	Principles of Surveying	3
CET 345	Material Testing Laboratory	1
COMM 101R	Public speaking	3
Gen Ed Philosophy Perspective (P)		3
Junior first semester (16 credits)		
CET 301	Structural Analysis	3
CET 310	Fundamentals of Building Construction	3
MET 330	Fluid Mechanics	3
MET 335	Fluid Mechanics Laboratory	1
** Upper Division Cluster or Minor		3
CET elective		3
Junior second semester (17 credits)		
CET 340	Soils and Foundations	3
CET 341	Soils Testing and Inspection	1
CET 360	Plans and Specifications	3
MET 310	Dynamics	3
CET elective		3
EET 305	Advanced Technical Analysis	4
Senior first semester (18 credits)		
CET 440	Contract Documents	3
CET 450	Structural Steel Design	3
CET elective		3
**Upper division Cluster or Minor		3
Gen Ed History Perspective (H)		3
ENMA 302	Engineering Economics	3
Senior second semester (17 credits)		
CET 400	Computer Applications in Structural Design	1
CET 410	Reinforced Concrete Design	3
CET elective		3
CET 475W	Senior Design Project	3
**Upper division Cluster or Minor		3
Gen Ed Fine and Perf. Arts Perspective (A)		3
ENGN 401	FE Review	1
	Total Credits	128

Note: Does not include the University's General Education foreign language requirement. Additional credits may be required.

** One or more additional courses will be required to complete the minor. See advisor for details.