



Humanities base	General Science	CEE courses	Co-requisite
General education electives (4 areas, 3 in your cluster)	Math	Technical elective	Prerequisites (left to right)
		Integrated Engineering Core	

UNIVERSITY OF DAYTON BACHELOR OF CIVIL ENGINEERING

Revised May 2012

DEPT NO.	COURSE	CREDIT HOURS
FIRST YEAR		1st/2nd Term
EGR 100	Enrichment Workshop	0
EGR 100	Enrichment Workshop	0
CEE 101	Seminar	0
CEE 101	Seminar	0
EGR 103	Engineering Innovation	2
EGR 201	Engineering Mechanics	3
CHM 123 ⁵	General Chemistry ¹	4
ENG 100	Writing Seminar I	3
MTH 168-169	Analytic Geometry & Calculus I, II	8
PHY 206	General Physics I	3
HST 103	The West and The World	3
REL 103	Introduction to Religion	3
----	Art Elective	3
PHL 103	Introduction to Philosophy	3
Total Hours		35

SECOND YEAR		1st Term	2nd Term	Summer
CEE 213	Surveying	2		
CEE 221L	Civil Computation Laboratory	2		
EGM 202	Dynamics	3		
MTH 218	Analytic Geometry and Calculus III	4		
EGM 303	Mechanics II	3		
CHM 124	General Chemistry II	3		
CEE 200	Seminar	0	0	
CEE 214	Highway Geometrics		2	
PHY 207	General Physics II		3	
MTH 219	Applied Differential Equations		3	
GEO 218	Engineering Geology		3	
EGR 202	Thermodynamics		3	
ENG 200	Writing Seminar II		3	
CEE 215L	Surveying Field Practice			3
Total Hours		17	17	3

THIRD YEAR		1st Term	2nd Term
CEE 316	Analysis of Structures I	3	
CEE 313 ⁵	Hydraulics	4	
----	Ethics Elective	3	
CEE 403	Transportation Engineering	3	
CMM 11X	Communications	1	
EGR 203	Electrical and Electronic Circuits	3	
CEE 300	Seminar	0	0
CEE 311 ⁶	Civil Engineering Materials		3
CEE 312 ⁵	Geotechnical Engineering		4
CEE 333	Water Resources Engineering		3
CEE 411	Design of Steel Structures		3
CEE 425	Civil Engineering Systems		3
CMM 11X	Communications		1
Total Hours		17	17

FOURTH YEAR		1st Term	2nd Term
CEE 412	Design of Concrete Structures	3	
CEE 434 ⁷	Water and Wastewater Engineering	4	
CMM 11X	Communications	1	
----	Philosophy/Religion Elective	3	
----	Civil Engineering Elective ^{3,4}	6	3
CEE 400	Seminar	0	0
CEE 450	Civil Engineering Design		3
HST 343	History of Civil Engineering		3
----	Social Science Elective		3
----	CEE or Technical Elective ²		3
Total Hours		17	15

Total Credit Hours: 138

¹ All engineering, mathematics and science courses must be taken for grading option 1.

² Selected from list approved by the Department of Civil and Environmental Engineering and Engineering Mechanics.

³ Select from list approved by the Department of Civil and Environmental Engineering and Engineering Mechanics.

⁴ May be used to concentrate studies in the areas of construction, environmental, structures, soils, transportation, and water resources engineering.

⁵ 3 credit hours lecture; 1 credit hour lab.

⁶ 2 credit hours lecture; 1 credit hour lab

