

**UNIVERSITY OF DAYTON BACHELOR OF CIVIL ENGINEERING**

DEPT NO.	COURSE	CREDIT HOURS		OFFERED
		Fall Term	Spring Term	
<b>FIRST YEAR</b>				
EGR 102	Introduction to the University Experience	0		FA Only
EGR 150	Enrichment Workshop I	0		FA Only
EGR 103	Engineering Innovation	2		FA and SP
PHY 206	General Physics I	3		FA and SP
MTH 168	Analytic Geometry & Calculus I	4		FA and SP
HST 103	The West and The World	3		FA and SP
PHL 103	Introduction to Philosophy	3		FA and SP
ENG 100	Writing Seminar I	3		FA and SP
CEE 101	Introduction to Civil Engineering		0	SP Only
EGR 151	Enrichment Workshop II		0	SP Only
EGR 201	Engineering Mechanics		3	FA and SP
CMM 100	Principles of Oral Communications		3	FA and SP
MTH 169	Analytic Geometry & Calculus II		4	FA and SP
GEO 218	Engineering Geology		3	SP Only
REL 103	Introduction to Religion		3	FA and SP
	Total Hours	18	16	
<b>SECOND YEAR</b>				
EGR 200 or COP 200	Professional Development Seminar Introduction to Cooperative Education	0	0	FA and SP
EGM 202	Dynamics	3		FA and SP
CEE 213	Surveying	3		FA Only
MTH 218	Analytic Geometry and Calculus III	4		FA and SP
SSC 200	CAP Social Science	3		FA and SP
CHM 123	General Chemistry	3		FA and SP
CHM 123L	General Chemistry Lab	1		FA and SP
EGM 303	Mechanics II		3	FA and SP
CEE 221L	Civil Computation Laboratory		2	FA and SP
MTH 219	Applied Differential Equations		3	FA and SP
EGR 202	Engineering Thermodynamics		3	FA and SP
ENG 200	Writing Seminar II		3	FA and SP
----	Natural Science Elective I <sup>1</sup>		3	FA and SP
	Total Hours	17	17	
<b>THIRD YEAR</b>				
CEE 300	Professional Development Seminar	0		FA Only
CEE 316	Analysis of Structures I	3		FA and SP
CEE 403	Transportation Engineering	3		FA Only
CEE 313	Hydraulics	3		FA and SP
CEE 313L	Hydraulics Lab	1		FA and SP
EGR 203	Electrical and Electronic Circuits	3		FA and SP
----	CAP Advanced Religious Studies	3		FA and SP
CEE 311L	Civil Engineering Materials Lab		2	SP Only
CEE 312	Geotechnical Engineering		3	SP Only
CEE 312L	Geotechnical Engineering Lab		1	SP Only
CEE 333	Water Resources Engineering		3	SP Only
CEE 421	Construction Engineering		3	SP Only
MTH 367	Statistical Methods I		3	FA and SP
----	Natural Science Elective II <sup>1</sup>		3	FA and SP
	Total Hours	16	18	
<b>FOURTH YEAR</b>				
CEE 400	Professional Development Seminar	0		FA Only
CEE 411	Design of Steel Structures	3		FA Only
CEE 412	Design of Concrete Structures	3		FA Only
CEE 424	Foundation Engineering	3		FA Only
CEE 434	Water and Wastewater Engineering	3		FA Only
CEE 434L	Water and Wastewater Engineering Lab	1		FA Only
----	CAP Advanced Religious Studies	3		FA and SP
----	Civil Engineering Elective <sup>1,2</sup>		6	FA and SP
CEE 450	Civil Engineering Design		3	FA and SP
HST 343	History of Civil Engineering		3	SP Only
----	Art Study Elective		3	FA and SP
	Total Hours	16	15	
	Total Credit Hours for BCE Program	133		

<sup>1</sup> Select from list approved by the Department of Civil and Environmental Engineering and Engineering Mechanics.

<sup>2</sup> May be used to concentrate studies in the areas of construction, environmental, geotechnical, structural, transportation, and water resources engineering.

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