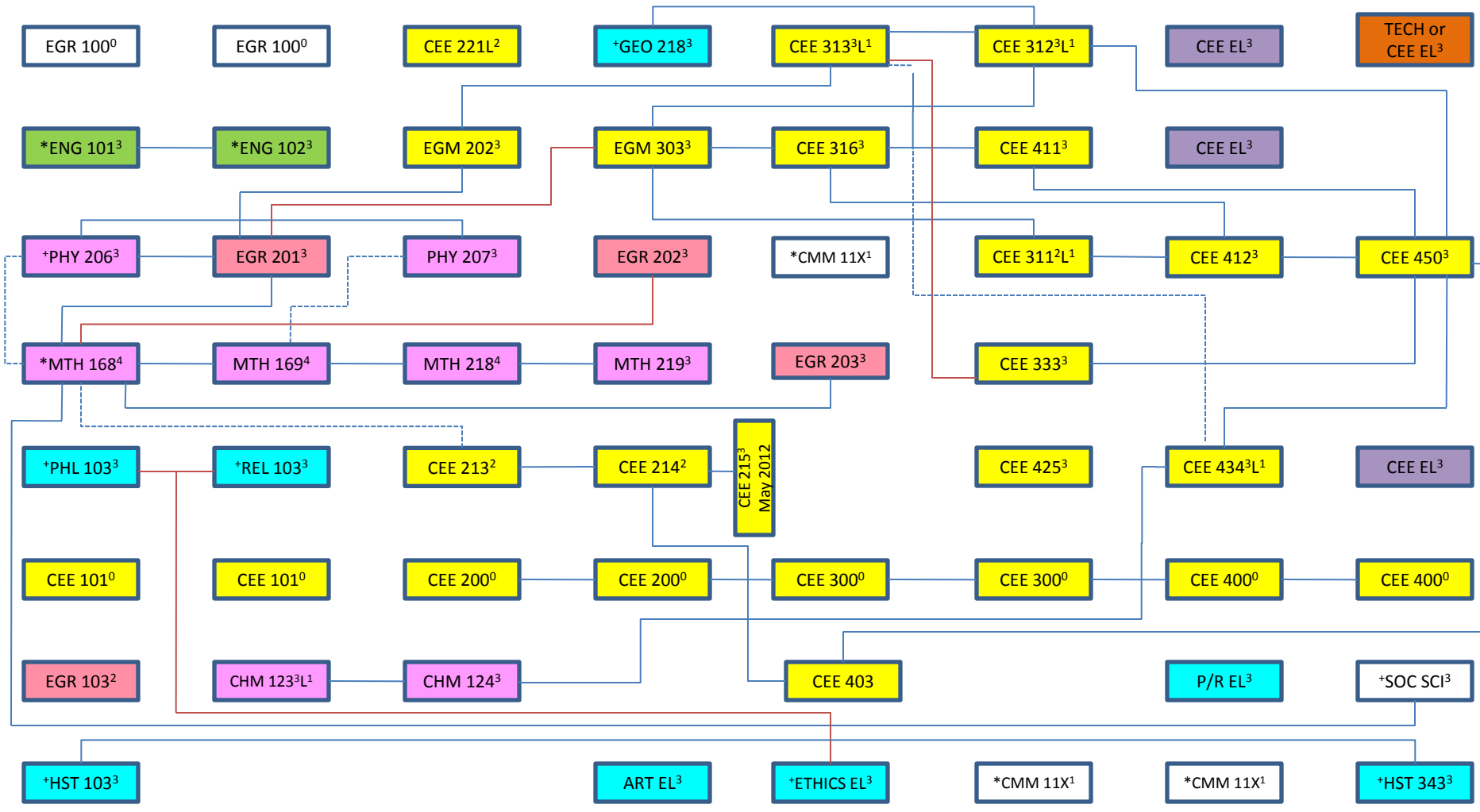


University of Dayton Bachelor of Civil Engineering Program

August 2010

FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR	
FALL TERM 2010	SPRING TERM 2011	FALL TERM 2011	SPRING TERM 2012	FALL TERM 2012	SPRING TERM 2013	FALL TERM 2013	SPRING TERM 2014



18 SEM HRS	17 SEM HRS	17 SEM HRS	17 SEM HRS	3 SEM HRS	18 SEM HRS	17 SEM HRS	16 SEM HRS	15 SEM HRS
or Prerequisite Corequisite		Super Script = Semester Hours L = Laboratory; labs not subject to pre-req policy			+ = General Education * = Basic Skills		TOTAL PROGRAM 138 SEMESTER HOURS	

- Gen Competencies
- Gen Education
- Math & Science
- CEE Elective
- Technical Elective
- CEE/EGM Required Course
- Integrated Engineering Core

UNIVERSITY OF DAYTON BACHELOR OF CIVIL ENGINEERING PROGRAM

Revised May 2010

DEPT NO.	COURSE	CREDIT HOURS
FIRST YEAR		1st/2nd Term
EGR 100	Enrichment Workshop	0
CEE 101	Seminar	0
EGR 103	Engineering Innovation	2
EGR 201	Engineering Mechanics	3
CHM 123 ⁵	General Chemistry ¹	4
ENG 101-102	College Composition I, II	6
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
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		
PHY 207	General Physics II	3		
CHM 124	General Chemistry II	3		
CEE 200	Seminar	0	0	
CEE 214	Highway Geometrics		2	
EGM 303	Mechanics II		3	
MTH 219	Applied Differential Equations		3	
GEO 218	Engineering Geology		3	
EGR 202	Thermodynamics		3	
----	Art Elective		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	
PHL 316 or REL 369	Engineering Ethics	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		18	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
----	Technical Elective ²		3
Total Hours		16	15

Total Credit Hours: 138

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

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

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

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

⁵3 credit hours lecture; 1 credit hour lab.

⁶2 credit hours lecture; 1 credit hour lab

