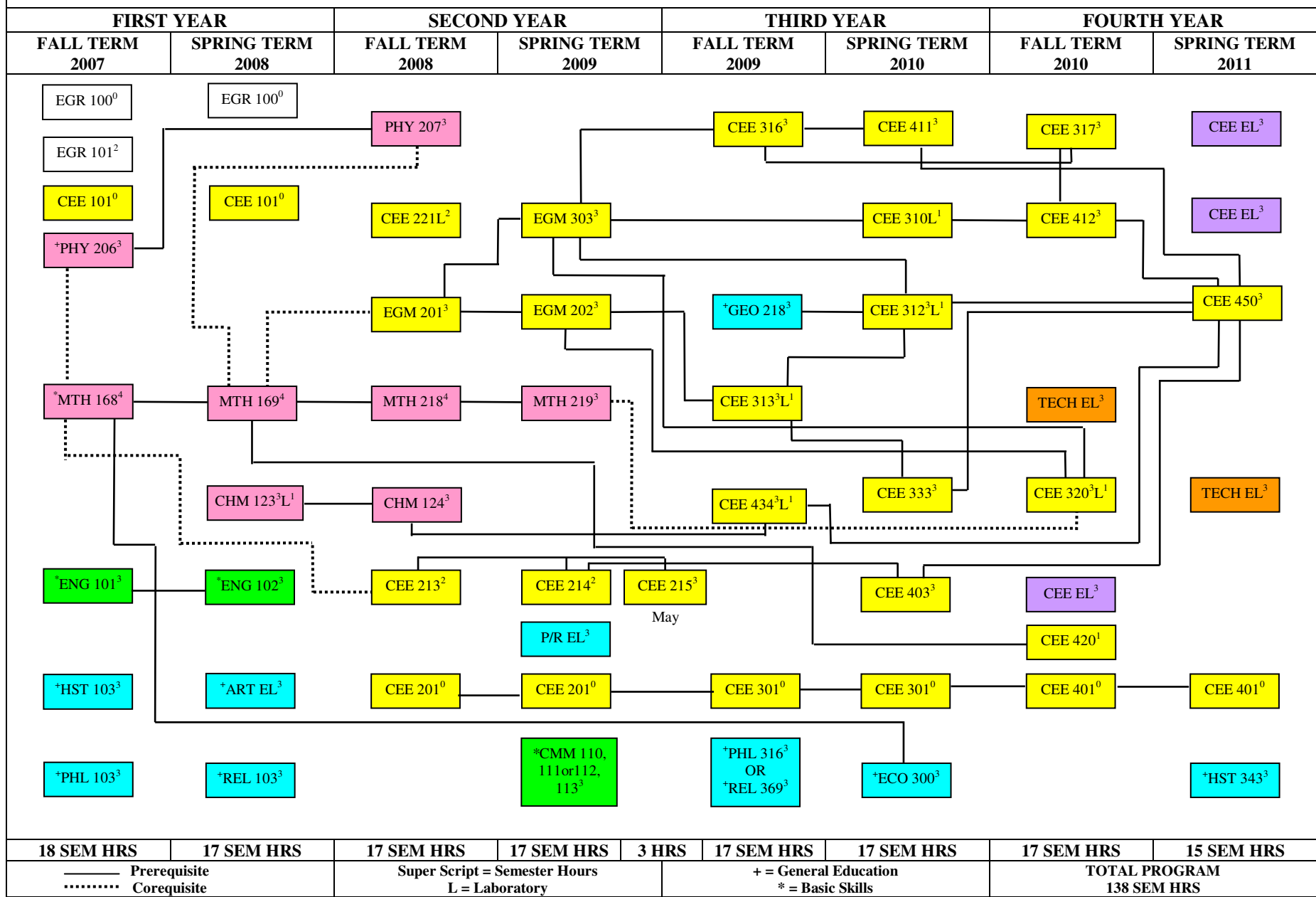


UNIVERSITY OF DAYTON BACHELOR OF CIVIL ENGINEERING PROGRAM



Gen Competencies	Math & Science	CEE Elective	Co-requisite	Required CEE/EGM Course	Technical Elective	Prerequisite	*CEE 215L offered 3 weeks beginning of summer
Gen Education							

UNIVERSITY OF DAYTON
SCHOOL OF ENGINEERING

PROGRAM - BACHELOR OF CIVIL ENGINEERING
Revised, September 2007

TOTAL: 138 Credit Hours

DEPT. NO.	COURSE	CREDIT HOURS		
<u>FIRST YEAR</u>				
EGR 100	Enrichment Workshop			0
CEE 101	Introduction to Civil Engineering			0
EGR 101	Introduction to Engineering Design			2
CHM 123	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
---	General Education Requirement			<u>3</u>
				35
<u>SECOND YEAR</u>				
		<u>1st Term</u>	<u>2nd Term</u>	<u>Summer</u>
CEE 213	Surveying	2		
CEE 221L	Civil Computation Laboratory	2		
EGM 201	Mechanics I	3		
MTH 218	Analytic Geometry and Calculus III	4		
PHY 207	General Physics II	3		
CHM 124	General Chemistry II	3		
CEE 201	Seminar	0	0	
CEE 214	Highway Geometrics		2	
EGM 202	Dynamics		3	
EGM 303	Mechanics II		3	
MTH 219	Applied Differential Equations		3	
CMM 110, 111 or 112, 113	Communications		3	
----	General Education Requirement		3	
CEE 215L	Surveying Field Practice			<u>3</u>
		<u>17</u>	<u>17</u>	<u>3</u>
<u>THIRD YEAR</u>				
CEE 316	Analysis of Structures I	3		
CEE 313	Hydraulics	4		
GEO 218	Engineering Geology	3		
PHL 316 or REL 369	Engineering Ethics	3		
CEE 434	Water and Wastewater Engineering	4		
CEE 301	Seminar	0	0	
CEE 310L	Civil Engineering Laboratory		1	
CEE 312	Geotechnical Engineering		4	
CEE 333	Water Resources Engineering		3	
CEE 411	Design of Steel Structures		3	
CEE 403	Transportation Engineering		3	
ECO 300	Principles of Economics		<u>3</u>	
		<u>17</u>	<u>17</u>	
<u>FOURTH YEAR</u>				
CEE 317	Analysis of Structures II	3		
CEE 320	Civil Engineering Analysis	4		
CEE 412	Design of Concrete Structures	3		
CEE 420	Engineering Economics	1		
----	Technical Elective ²	3	3	
----	Civil Engineering Elective	3	6	
CEE 401	Seminar	0	0	
CEE 450	Civil Engineering Design		3	
HST 343	History of Civil Engineering		<u>3</u>	
		<u>17</u>	<u>15</u>	

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