

**UNIVERSITY OF DAYTON - SCHOOL OF ENGINEERING**

**Program - Bachelor of Chemical Engineering**

**Total: 137 Credit Hours**

	<u>Dept. No.</u>	<u>Course</u>	<u>Credit Hours</u>	
FIRST YEAR	EGR 102	Introduction to the University School of Engineering	0	
	CHM 123-124	General Chemistry I, II & Labs	8	
	CME 101	Introduction to Chemical Engineering	0-1	
	MTH 168-169	Analytic Geometry & Calculus I, II	8	
	PHY 206	General Physics I	3	
	EGR 103	Engineering Innovation	2	
	ENG 100	Writing Seminar I	3	
	HST 103	The West and the World	3	
	REL 103	Introduction to Religious and Theological Studies	3	
	PHL 103	Introduction to Philosophy	3	
	EGR 100	Engineering Workshops	<u>0</u>	
			34	
SECOND YEAR			<u>1<sup>ST</sup> Term</u>	<u>2<sup>nd</sup> Term</u>
	CHM 313-314	Organic Chemistry I, II & Labs	3-3-4	3-3-4
	CME 200/COP 200	Professional Development Seminar	1-0-0	
	CME 203	Material & Energy Balances	3-0-3	
	ENG 200	Writing Seminar II	3-0-3	
	CME 211	Introduction to Thermodynamics for CME	3-0-3	
	MTH 218	Analytic Geometry and Calculus III	4-0-4	
	CME 281	Chemical Engineering Computations		3-0-3
	CME 311	Chemical Engineering Thermodynamics		3-0-3
	MTH 219	Applied Differential Equations		3-0-3
	CMM 100	Fundamentals of Communication		<u>3-0-3</u>
		17	16	
THIRD YEAR	CME 324-325	Transport Phenomena I, II	3-0-3	3-0-3
	CME 381	Applied Mathematics for Chemical Engineers	3-0-3	
	EGR 201	Engineering Mechanics	3-0-3	
	PHY 207	General Physics II	3-0-3	
	XXX.XXX	General Education Course	3-0-3	
	SSC 200	Social Science Integrated	3-0-3	
	CME 306	Chemical Reaction Kinetics and Engineering		3-0-3
	CME 326L	Transport Phenomena Laboratory		1-3-2
	CME 365	Separation Techniques		3-0-3
	EGR 203	Electrical & Electronic Circuits		3-0-3
	XXX.XXX	General Education Course		<u>3-0-3</u>
		18	17	
FOURTH YEAR	CME 408	Seminar	0/1	0/1
	BIO/CHM	Biology/Chemistry Elective	3-0-3	
	CME 430-431	Chemical Engineering Design I, II	3-0-3	3-0-3
	CME 452	Process Control	3-0-3	
	CME 465	Flow & Heat Transfer Processes	3-0-3	
	CME 466L	Chemical Engineering Unit Operations Laboratory	0-5-2	
	XXX.XXX	General Education Course	3-0-3	
	CME 453L	Process Control Laboratory		0-5-2
	CME XXX	Chemical Engineering Elective <sup>1</sup>		3-0-3
	XXX.XXX	Engineering/Science Elective <sup>1</sup>		3-0-3
	XXX.XXX	Engineering/Science Elective <sup>1</sup>		3-0-3
XXX.XXX	General Education Course		<u>3-0-3</u>	
		18	17	

<sup>1</sup>Selected from list approved by the Department of Chemical and Materials Engineering

CAP Requirements		Faith Traditions	Practical Ethical Action	Inquiry	Integrative	Diversity/Social Justice
SUBJECT	COURSE					
Arts						
PHL/REL						
PHL/REL						
History						