

# CHEMICAL ENGINEERING

Recommended Sequence of Courses for Students Completing the Materials Engineering Certificate  
Curriculum for Students Entering AFTER June 2014

First-Year		Sophomore		Junior		Senior	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
<input type="checkbox"/> (3credits) ENGLWP 112	<input type="checkbox"/> (3) ChE 120 Fundamentals	<input type="checkbox"/> (4) PHYSIC 152	<input type="checkbox"/> (3) ChE 226 Thermo I	<input type="checkbox"/> (3) ENGIN 351	<input type="checkbox"/> (3) ChE 333 Heat and Mass Transfer	<input type="checkbox"/> (4) ChE 401* Senior Lab	<input type="checkbox"/> (4) ChE 402
<input type="checkbox"/> (3) ENGIN 110	<input type="checkbox"/> (4) PHYSIC 151	<input type="checkbox"/> (1) ChE 291A Professional Seminar	<input type="checkbox"/> (3) MATH 331	<input type="checkbox"/> (3) ChE 320 Kinetics	<input type="checkbox"/> (3) ChE 338 Separations	<input type="checkbox"/> (3) ChE 444 Chem Process Design I	<input type="checkbox"/> (3) ChE/MIE 579
<input type="checkbox"/> (4) MATH 131	<input type="checkbox"/> (4) MATH 132	<input type="checkbox"/> (4) ChE 220 OR BIO 151	<input type="checkbox"/> (3) CHEM 262	<input type="checkbox"/> (3) ChE 325 Thermo II	<input type="checkbox"/> (4) Social World Elective	<input type="checkbox"/> (3) ChE 446 Process Control	<input type="checkbox"/> (4) Social World Elective
<input type="checkbox"/> (4) CHEM 111	<input type="checkbox"/> (4) CHEM 112	<input type="checkbox"/> (3) MATH 233	<input type="checkbox"/> (2) CHEM 269	<input type="checkbox"/> (3) ChE 330 Fluid Mechanics	<input type="checkbox"/> (3) Adv CHEM Elective	<input type="checkbox"/> (1) ChE 491A Professional Seminar	<input type="checkbox"/> (4) Social World Elective
<input type="checkbox"/> (4) Social World Elective	<input type="checkbox"/> (4) MIE 201	<input type="checkbox"/> (3) CHEM 261 <sup>6</sup>	<input type="checkbox"/> (3) ChE 231	<input type="checkbox"/> (1) ChE 391A Professional Seminar	<input type="checkbox"/> (3) ChE/MIE 571	<input type="checkbox"/> (3) MIE/ChE 590C	<input type="checkbox"/> (4) Social World Elective
<input type="checkbox"/> (3) ChE 475 (PChem)	<input type="checkbox"/> (1) ChE/MIE 590L	<input type="checkbox"/> (1) MIE/ChE 590F					
<b>18 Credits</b>	<b>15 Credits</b>	<b>18 Credits</b>	<b>14 Credits</b>	<b>16 Credits</b>	<b>18 Credits</b>	<b>15 Credits</b>	<b>15 Credits</b>

\*Completion of a General Education Integrative Experience (IE) course is a senior year requirement for all students who entered the University after June 2010. ChE 401 will fulfill the IE requirement.