

CHEMICAL ENGINEERING

Recommended Sequence of Courses for Students Completing the Materials Engineering Certificate
Curriculum for Students Entering AFTER June 2010 and BEFORE 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"/> (3) ChE 361 Mathematical Modeling | <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) MATH 132 | <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) CHEM 112 | <input type="checkbox"/> (3) CHEM 261 ⁶ | <input type="checkbox"/> (2) CHEM 269 | <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"/> (4) Social World Elective | <input type="checkbox"/> (4) CHEM 112 | <input type="checkbox"/> (3) MIE 201 | <input type="checkbox"/> (4) Social World Elective | <input type="checkbox"/> (3) ChE 475 (PChem) | <input type="checkbox"/> (1) ChE/MIE 572 | <input type="checkbox"/> (1) MIE/ChE 590F | <input type="checkbox"/> (4) Social World Elective |
| 18 Credits | 15 Credits | 18 Credits | 15 Credits | 16 Credits | 17 Credits | 15 Credits | 15 Credits |

*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.