

Ceramic Engineering

| | | Western Kentucky University | | | University of Missouri-Rolla | | | | |
|----------------------|--|--|-----------------------|-------|--|--|----------------------------------|----|----|
| Semester | WKU # | Title | Hours | Grade | UMR # | Title | Hours | | |
| First | MATH 126 | Calculus & Analytic Geometry I | 4.5 | | MATH 014 | Calculus w/Analytic Geometry I | 4 | | |
| | CHEM 120 | College Chemistry I | 4 | | CHEM 001 | General Chemistry | 4 | | |
| | CHEM 121 | College Chemistry I Lab | 1 | | CHEM 002 | General Chemistry Lab | 1 | | |
| | ENG 100 | Freshman English | 3 | | ENG 020 | Exposition & Argumentation | 3 | | |
| | Total Semester Hours | | | 12.5 | | Total Semester Hours | | | 12 |
| Second | MATH 227 | Calculus & Analytic Geometry II | 4.5 | | MATH 015 | Calculus w/Analytic Geometry II | 4 | | |
| | PHYS 250,251 | University Physics I (3) and Lab (1) | 4 | | PHYS 023 | Engineering Physics I | 4 | | |
| | CHEM 222 | College Chemistry II | 3 | | CHEM 003 | General Chemistry | 3 | | |
| | HIST 120 or HIST 240 or HIST 241 | Western Civilization since 1700 or US History to 1865 or US History since 1865 | 3 | | HIST 112 or HIST 175 or HIST 176 | Modern Western Civilization or American History to 1877 or American History since 1877 | 3 | | |
| | Total Semester Hours | | | 14.5 | | Total Semester Hours | | | 14 |
| | Third | MATH 327 | Multivarible Calculus | 4 | | MATH 022 | Calculus w/Analytic Geometry III | 4 | |
| PHYS 260,261 | | University Physics II (3) and Lab (1) | 4 | | PHYS 024 | Engineering Physics II | 4 | | |
| PHYS 227 | | Engineering Statics | 3 | | IDE 050 | Engineering Mechanics - Statics | 3 | | |
| | | Humanities/Social Science Elective | 3 | | | Humanities/Social Science Elective | 3 | | |
| Total Semester Hours | | | 14 | | Total Semester Hours | | | 14 | |
| Fourth | MATH 331 | Differential Equations | 3 | | MATH 204 | Elementary Differential Equations | 3 | | |
| | ECON 202 or ECON 203 | Principles of Economics (Micro) or Principles of Economics (Macro) | 3 | | ECON 121 or ECON 122 | Principles of Microeconomics or Principles of Macroeconomics | 3 | | |
| | | Humanities/Social Science Elective | 3 | | | Humanities/Social Science Elective | 3 | | |
| | Total Semester Hours | | | 9 | | Total Semester Hours | | | 9 |

This is a guide; with the consent of your advisor you may choose to vary the sequence or combination of some courses in a manner appropriate to individual course requirements and prerequisites.

** Credits will transfer to UMR as elective credit