

Curriculum in Materials Engineering

2009-2011 Catalog

Total credits required: 127.5

| Freshman Year | | | | | |
|--|---------|------------|------------------------------|-------|------------|
| <i>Semester 1</i> | 15.5 cr | Year taken | <i>Semester 2</i> | 17 cr | Year taken |
| Math 165 | 4 cr | | Math 166 | 4 cr | |
| Engr 160 | 3 cr | | Engr 170 | 3 cr | |
| Engr 101 | R cr | | Chem 178 | 3 cr | |
| English 150 | 3 cr | | Chem 178L | 1 cr | |
| Chem 177 | 4 cr | | Gen Ed: _____ | 3 cr | |
| Chem 177L | 1 cr | | Gen Ed: _____ | 3 cr | |
| Lib 160 | 0.5 cr | | | | |
| <i>NOTE: You must have a 6 cr area-of-emphasis in Gen Eds.</i> | | | | | |
| Sophomore Year | | | | | |
| <i>Semester 3</i> | 16 cr | Year taken | <i>Semester 4</i> | 16 cr | Year taken |
| Math 265 | 4 cr | | Math 267 | 4 cr | |
| Mat E 201 | R cr | | Mat E 214 | 3 cr | |
| Mat E 215 | 3 cr | | Mat E 216 | 4 cr | |
| Mat E 215L | 1 cr | | Phys 222 | 5 cr | |
| Phys 221 | 5 cr | | | | |
| English 250 | 3 cr | | | | |
| Junior Year | | | | | |
| <i>Semester 5</i> | 18 cr | Year taken | <i>Semester 6</i> | 15 cr | Year taken |
| Mat E 311 | 3 cr | | Mat E 314 | 3 cr | |
| Mat E 317 | 3 cr | | Mat E 316 | 3 cr | |
| Spec. I: _____ | 3 cr | | Spec. I: _____ | 3 cr | |
| Spec. II: _____ | 3 cr | | EM 324 | 3 cr | |
| EM 274 | 3 cr | | Gen Ed: _____ | 3 cr | |
| Gen Ed: _____ (U.S. Diversity) | 3 cr | | (International Perspectives) | | |
| Senior Year | | | | | |
| <i>Semester 7</i> | 15 cr | Year taken | <i>Semester 8</i> | 15 cr | Year taken |
| Mat E 413 | 3 cr | | Mat E 414 | 3 cr | |
| Spec. I: _____ | 3 cr | | Mat E 418 | 3 cr | |
| Spec. II: _____ | 3 cr | | Spec. II: _____ | 3 cr | |
| Tech. elec.: _____ | 3 cr | | Tech. elec.: _____ | 3 cr | |
| Free elec.: _____ | 3 cr | | Gen Ed*: _____ | 3 cr | |
| | | | (Technical Writing) | | |

Specialization Course Sequences

(Note: F = offered Fall only, S = offered S only, F or S = offered Fall or Spring)

| <u>Ceramics</u> | <u>Electronics</u> | <u>Metals</u> | <u>Polymers</u> |
|-----------------|--------------------|---------------|-----------------|
| Mat E 321 (F) | Mat E 334 (S) | Mat E 342 (S) | Mat E 351 (F) |
| Mat E 322 (S) | Mat E 332 (F or S) | Mat E 443 (F) | Mat E 453 (F) |
| Mat E 425 (F) | Mat E 433 (F) | Mat E 444 (S) | Mat E 454 (S) |

*Included in the 15 total Gen Ed credits is a **3 credit technical writing requirement**.

Choose one of the following courses: Engr 314, Engr 302, Engr 309, or JL MC 347.