# Materials Science & Engineering

## Materials Science Engineering (MATSCIE)

**220 Intro Mat & Man** **4.00 ENFORCED**
10613 A R LEC 100 MWF 1130-1230PM AUD CHRYS Sevener
10614 P RW DIS 101 TH 1130-1230PM 1003 EECS Evke
10615 P RW DIS 102 TH 130-230PM 1003 EECS Wang
10616 P RW DIS 103 TH 1030-1130AM 185 EWRE Lee
33521 P RW DIS 104 TH 1130-1230PM 1123 LBME Guan
27282 A R LEC 300 MWF 830-930AM 1670 BEYSTER Heron
27878 P RW DIS 301 TH 1030-1130AM 1014 DOW Choe
27879 P RW DIS 303 TH 130-230PM 1018 DOW Meisenheimer

**250 Prin Engr Matl** **4.00 ENFORCED**
10617 A R LEC 100 MWF 930-1030AM 1571 GGBL Wynarsky
Structure, properties, and processing relationships in engineering materials with applications to biomaterials.
10618 P RW DIS 101 TH 1130-1230PM 1006 DOW Huang
20343 P RW DIS 102 TH 130-230PM 2150 DOW Vu, Buchanan
20467 P RW DIS 103 TH 130-230PM 1010 DOW Buchanan
20342 P RW DIS 104 TH 1130-1230PM 104 EWRE Kim
30622 A R LEC 200 MWF 130-230PM 1121 LBME Love
30623 P RW DIS 201 TH 1130-1230PM 1014 DOW Lu
30624 P RW DIS 202 TH 130-230PM 1123 LBME Khan

**280 MSE Ugrad Res Opp** **1.00-3.00 ADVISORY**
I IND + ARR ARR

**330 Thermo of Matls** **4.00 ADVISORY, ENFORCED**
10625 P R LEC 001 MW 12-130PM 1303 EECS Halloran

**330 Thermo of Matls** **4.00 ADVISORY, ENFORCED**
P R LEC 001 F 1230-130PM 1200 EECS

**350 Structures of Matls** **4.00 ENFORCED**
10619 P R LEC 001 MW 10-1130AM 1006 DOW Qi

**350 Structures of Matls** **4.00 ENFORCED**
P R LEC 001 F 130-230PM 1200 EECS

**360 Materials Lab I** **3.00 ADVISORY**
10620 S R LEC 001 M 230-330PM 1311 EECS Chambers
Labs for MSE 360 are held in the Van Vlack Undergraduate Lab, second floor of the H.H. Dow building
10621 P RW LAB 002 T 130-530PM ARR Andrews
10622 P RW LAB 003 TH 12-4PM ARR Garcia Mendez
14524 P RW LAB 004 W 130-530PM ARR Bregman

**400 EMO Mod Dev Tech** **3.00 ADVISORY, ENFORCED**
10623 P R LEC 001 TTH 10-1130AM 3150 DOW Goldman

**410 Biomaterials** **3.00 ENFORCED**
14782 PDR LEC 001 MW 10-1130AM 133 CHRYS Mehta, Bregenzer
For permission to register, contact Maria Steele at msteele@umich.edu.

**412 Polymeric Materials** **3.00 ENFORCED**
10624 P RW LEC 001 TTH 830-10AM 1017 DOW Robertson

**420 Mech Behavior Matrls** **3.00 ADVISORY, ENFORCED**
14970 P RW LEC 001 TTH 230-4PM 1010 DOW Misra

**465 Struc Chm Char Matls** **3.00 ADVISORY, ENFORCED**
30647 P R LEC 001 TTH 4-530PM 133 CHRYS Yalisove
This course will be taught in a team based/project based manner without formal exams or a final. There will be annotated reading assignments due at each class and we will use formative based assessments (like quizzes) at least 6 times during the term. Homework will be not be graded for accuracy but rather for effort and honesty in written reflections. There will be two projects this term that are focussed on characterization techniques. A more detailed description can be found on the following website: http://java.engin.umich.edu/465F17

**489 Matls Proc Design** **3.00 ADVISORY, ENFORCED**
16884 P RW LEC 001 MW 230-4PM G906 COOL Shtein, Tuteja

**490 Research Problems** **1.00-3.00 ENFORCED**
DR IND + ARR ARR

**510 Materials Chem** **3.00 ADVISORY**
16070 P LEC 100 TTH 830-10AM 1250 USB McCrory

**517 Adv Function Poly** **3.00 ENFORCED**
20902 P RW LEC 001 TTH 430-6PM 2166 DOW Kim

**532 Adv Therm Matrls** **3.00 ADVISORY**
16405 P W LEC 001 MW 10-1130AM 1014 DOW Kioupakis

**550 Fund Mat Sci & Eng** **3.00 ADVISORY**
26579 P LEC 001 MW 830-10AM 2150 DOW Shahani

**554 Comput Methods** **3.00**
27683 P LEC 001 MW 1130-1PM 1014 DOW Kieffer

**559 Foundations Nano II** **3.00 ADVISORY**
34532 P LEC 001 MW 1230-2PM 1025 GGBL Laine

**560 Structure Matrls** **3.00 ADVISORY**
18405 P LEC 001 MW 3-430PM 1014 DOW Poudeu-Poudeu

**621 Nuclear Waste Forms** **3.00 ADVISORY**
31692 P LEC 001 MW 3-430PM 2918 COOL Wang

**690 Research Problems** **1.00-16.00**
D IND + ARR ARR

**890 Colloq in Mat Sci** **1.00**
19742 P R SEM 001 F 1030-1130AM 1571 GGBL Tuteja

| CAT# Class # | Course Title CODE | CMP | SEC | DAYS | TIME | LOCATION | CR INSTRUCTOR | PREREQ | LAB FEE |
|---|---|---|---|---|---|---|---|---|---|
| 990 | Diss-Precand | | | | | | 1.00-8.00 | ADVISORY | |
| | D | IND | + | | ARR | ARR | | | |
| **995** | **Diss-Cand** | | | | | | **8.00** | **ENFORCED** | |
| | DR | IND | + | | ARR | ARR | | | |