



Student Name and ID Number \_\_\_\_\_

| Required Courses: 9 credits   | Credits |
|---|---------|
| EE 3290 Photonic Materials & Devices (4) or MSE 4292 Light and Photonic Materials (3) |         |
| MSE 2100 Intro to Materials Science & Engineering (3)                                 |         |
| MSE 3150 Intro to Semiconductor Materials & Devices (3)                               |         |

| Elective Courses: 9 credits  | Credits |
|--|---------|
| EE 3140 Electromagnetism (3)   |         |
| MSE 3120 Materials Characterization I (4) or<br>MSE 3121 Materials Characterization I (3) and MSE 3122 Materials Characterization I Lab (1)    |         |
| MSE 3130 Materials Characterization II (4) or<br>MSE 3131 Materials Characterization II (3) and MSE 3132 Materials Characterization II Lab (1) |         |
| MSE 4410 Science of Ceramic Materials (3)  |         |
| MSE 4530 Scanning Electron Microscopy (3)  |         |
| MSE/EE 4240 Introduction to MEMS (4)   |         |
| MSE 4990 Undergraduate Research (1-3)  |         |
| MSE/EE 5430 Electronic Materials (3)   |         |
| MSE/EE 5460 Solid State Devices (3)  |         |
| MSE/EE 5470 Semiconductor Fabrication (3)  |         |
| MSE/EE 5490 Solar Photovoltaic Technology (3)  |         |
| PH 3480 Advanced Physics Laboratory (2)  |         |
| <b>Total Credits Required = 18</b>   |         |

Courses listed in this minor have the following prerequisites (shown in parenthesis). Concurrency is illustrated by the letter C:  
EE3140 (PH2200 and MA3160), EE3290 (EE2190 or EE3140 or PH2400), MSE2100 (CH1150), MSE3120 (MSE2110), MSE3131 and MSE3132 (MSE2100 or BE2800), MSE 4410 (MSE2100), PH3480 (PH2230)

Student Signature \_\_\_\_\_ Date \_\_\_\_\_

Academic Advisor Signature \_\_\_\_\_ Date \_\_\_\_\_