

Name (please print): \_\_\_\_\_  
(Last) (First) (Middle)

Student Number: \_\_\_\_\_

Primary Major: \_\_\_\_\_ Expected Major Completion Term: \_\_\_\_\_

### Required Courses – 5 credits

\_\_\_\_\_ EE 2150 Introduction to Signal Processing (3)

\_\_\_\_\_ EE 2171 Digital Logic (2)

### Elective Courses – 9 credits

*Choose 3 credits from the list below:*

\_\_\_\_\_ EE 3010 Circuits and Instrumentation (3)

\_\_\_\_\_ EE 3120 Introduction to Energy Systems (3)

\_\_\_\_\_ EE 3130 Electronics (3)

\_\_\_\_\_ EE 3160 Linear Systems and Controls (3)

*Choose 6 credits not taken above from the list below:*

\_\_\_\_\_ EE 3120 Introduction to Energy Systems (3)

\_\_\_\_\_ EE 3130 Electronics (3)

\_\_\_\_\_ EE 3140 Electromagnetics (3)

\_\_\_\_\_ EE 3160 Linear Systems and Controls (3)

\_\_\_\_\_ EE 3170 Microcontroller Applications (3)

### Elective Courses

*Choose 3 additional credits from the list below:*

\_\_\_\_\_ EE 3190 Optical Imaging and Sensing (3)

\_\_\_\_\_ EE 3221 Introduction to Motor Drives (4)

\_\_\_\_\_ EE 4221 Power System Analysis 1 (3)

\_\_\_\_\_ EE 4231 Physical Electronics (3)

\_\_\_\_\_ EE 4232 Electronic Applications (3)

\_\_\_\_\_ EE 4240 Introduction to MEMS (4)

\_\_\_\_\_ EE 4250 Communication Theory (3)

\_\_\_\_\_ EE 4252 Two Dimensional Signal and Image Processing (4)

\_\_\_\_\_ EE 4261 Classical Control Systems (3)

\_\_\_\_\_ EE 4271 VLSI Design (4)

\_\_\_\_\_ EE 4272 Computer Networks (3)

\_\_\_\_\_ EE 4441 The Laser (3)

Credits Required = 17

Total Credits \_\_\_\_\_

Courses listed in this minor have the following prerequisites (shown in parenthesis). Concurrency is illustrated by the letter C: EE4231 (EE3130), EE4272 (EE2150 and (MA3710 or MA3720)), EE4271 (EE2171 and EE3130), EE2171 (CS1121 or CS1131), EE3190 (EE2190), EE3170 (EE2171), EE3160 (EE2150 and EE2110 and (MA2320 or MA2321 or MA2330) and (MA3520 or MA3521 or MA3530 or MA3560)), EE3140 (PH2200 and (MA3160 or MA3150)), EE3130 (EE2110 or EE3010), EE4250 (EE3160 and MA3720), EE3120 (EE2110 or EE3010), EE3221 (EE2110 or EE3010), EE2150 (MA2160) and (CS1121 or CS1131)), EE4261 (EE3160), EE4221 (EE3120), EE4232 (EE3130), EE4252 (EE3160 and EE2150 and EE2150)

Student \_\_\_\_\_

Date \_\_\_\_\_

Department Advisor \_\_\_\_\_

Date \_\_\_\_\_