

Name (please print): _____
(Last) (First) (Middle)

Student Number: _____

Primary Major: _____ Expected Major Completion Term: _____

Required Courses (Select one set of courses, 6-8 credits):

- _____ CM3110 Transport/Unit Operations I (3) **and**
CM3120 Transport/Unit Operations II (3) **OR**
- _____ MEEM3210 Fluid Mechanics (3) **and**
MEEM3230 Heat Transfer (3) **OR**
- _____ MET3250 Applied Fluid Mechanics (4) **and**
MET3361 Applied Thermo and Heat Transfer (3) **OR**
- _____ MY3100 Materials Processing I (4) **and**
MY3110 Materials Processing II (4)

Required Courses (Select 3-4 credits):

- _____ EE2111 Electric Circuits I (3)
- _____ EE2112 Electric Circuits II and Lab (4)
- _____ EE3010 Circuits and Instrumentation (3)
- _____ EET3131 Instrumentation (3)

Energy Technologies Courses (Select 4-6 credits):

- _____ CM/ENT 3974 Fuel Cell Fundamentals (1) **OR**
MEEM4260 Fuel Cell Technology (3)
- _____ EC4620 Energy Economics (3)*
- _____ EE3120 Introduction to Energy Systems (3)
- _____ ENG4510 Sustainable Futures I (3)*
- _____ ENG5510 Sustainable Futures I (3)*
- _____ ENG5520 Sustainable Futures II (3)*
- _____ MEEM4200 Principles of Energy Conversion (3)
- _____ SS3800 Energy Technology & Policy (3)*

Elective Courses (Select 1-6 credits):

- _____ CM4000 Chemical Engineering Research (1-3)**
- _____ CM4550 Industrial Chemical Production (3)
- _____ CM4990 Special Topics in Chemical Engg (1-3)**
- _____ EE4000 Electrical Eng. Undergrad Research (1-3)**
- _____ EE4219 Intro to Electric Machinery & Drives (3)
- _____ EE4227 Power Electronics (3)
- _____ EET3390 Power Systems (3)
- _____ ENT39xx Enterprise Project Work (up to 4 cr)**
- _____ ENT49xx Enterprise Project Work (up to 4 cr)**
- _____ MEEM3999 ME Undergrad Research Project (3)**
- _____ MEEM4220 Internal Combustion Engines I (3)
- _____ MEEM4240 Combustion & Air Pollution
- _____ MET4390 Internal Combustion Engines (3)
- _____ MY4140 Science of Ceramic Materials (3)
- _____ MY4990 MSE Undergraduate Research (1-3)**

***Students are encouraged, though not required, to take at least one of these courses relating to the broader context and societal impacts of alternative technology.**

**** Topics must be approved by the minor program coordinator.**

Courses listed in this minor have the following prerequisites (shown in parenthesis). Concurrency is illustrated by the letter C:
ENT4961 (ENT3950 and ENT3960 and ENT4950 and ENT4960), CM/ENT3974 (CH1112 or CH1150 and CH1151), CM3110 (CM2120 and (MA3520 or MA3521 or MA3530 or MA3560) and MA3160 and PH2100), CM3120 (CM2110 and CM2120 and (MA3520 or MA3521 or MA3530 or MA3560)), CM4550 (CH2410 and CM3510(C)), EC4620 (EC2001), EE3120 ((EE2110 or EE3010 or EE2111) and EE2112 (C)), EET2120 (EET1120 and (MA1150 (C) or MA1161 (C) or MA1135 (C)), EET3131 (EET1141 or EET2220 or PH2230 or EE2110 or EE3010), ENG4510 (UN2002), MEEM3210 (MEEM2200 and MEEM2700 (C) and (MA3520 or MA3521 or MA3530 or MA3560)), MEEM3230 (MEEM3210), MEEM4220 (MEEM3210), MET3250 (MET2130), MET4300 (MET3600), MET4390 (MET3361 or MET4300), MY3110 (MY2110 and MY3100 and (MA3520 or MA3521 or MA3530 or MA3560))), MY4140 (MY2100)

Credits Required = 16

Total Credits _____

Student Signature

Date

Minor Advisor Signature

Date