

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**
MET4300 Applied Heat Transfer (3) **OR**
- _____ MY3100 Materials Processing I (4) **and**
MY3110 Materials Processing II (4)

Required Courses (Select one course, 3-4 credits):

- _____ EE2110 Electrical Circuits (3)
- _____ EE3010 Circuits and Instrumentation (3)
- _____ EE2120 Circuits II (4)
- _____ EET3131 Instrumentation (3)

Energy Technologies Courses (Select 4-6 credits):

- _____ CM/ENT 3974 Fuel Cell Fundamentals (1) **OR**
MEEM4260 Fuel Cell Technology (3)
- _____ EC 4620 Energy Economics (3)*
- _____ EE 3120 Introduction to Energy Systems (3)
- _____ ENG/SS4510 Sustainable Futures I (3)*
- _____ ENG/SS4520 Sustainable Futures II (3)*
- _____ MEEM4200 Principles of Energy Conversion (3)
- _____ MET4900 Alternative Energy Systems (3)
- _____ SS3800 Energy Technology and Policy (3)*

Credits Required = 16

Total Credits _____

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)**
- _____ EE3221 Introduction to Motor Drives (3)
- _____ EE4000 Electrical Eng. Undergrad Research (1-3)**
- _____ EET3390 Power Systems (3)
- _____ ENT3975 Intro to Vehicle Design & System Modeling (1)
- _____ ENT39xx Enterprise Project Work (up to 4 cr)**
- _____ ENT49xx Enterprise Project Work (up to 4 cr)**
- _____ MEEM3999 MEEM 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 (CH1100 or CH1110 or CH1150), CM3110 (CM2120 and PH2100 and (MA3520 or 3521 or 3530 or 3560)), CM3120 (CM3110 and (MA3520 or 3521 or 3530 or 3560)), CM4550 ((CH2400 or CH2410) and CM3510(C)), EC4620 ((EC3001 or EC3002 or EC3003) and UN2002), EE2110 (EE2150 and (MA3520 or 3521 or 3530 or 3560)), EE3120 (EE2110 or EE3010), EE3221 (EE2110 or EE3010), EET2120 (EET1120 and (MA1161 (C)) or MA1161 (C)), EET3131 (EET1141 or EET2311 or EET2220), EET3390 (EET2233), ENG/SS4510 (UN2002), ENT3975 (ENG1102), MEEM3210 (MEEM2200 and MEEM2700 (C)), MEEM3230 (MEEM3210 and (MA3520 or equivalent)), MEEM4220 (MEEM3210), MET3250 (MET2130), MET4300 (MET3600), MET4390 (MET3600 (C)), MET4900 (MET3600), MY3100 (MY2100), MY3110 (MY3100), MY4140 (MY2100), SS3800 (UN2002).

Refer to the University Catalog for information on university minor requirements.

Student Signature

Date

Minor Advisor Signature

Date