

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

Student Number: _____

Primary Major: _____ Expected Major Completion Term: _____

Required Courses (Select one set of courses, 4-8 credits):

- _____ CM 3110 Transport/Unit Operations I (3) **and**
CM 3120 Transport/Unit Operations II (3) **OR**
- _____ MEEM 3201 Energy-Thermal-Fluids II (4)
- _____ MET 3250 Applied Fluid Mechanics (4) **and**
MET 3361 Applied Thermo and Heat Transfer (3) **OR**
- _____ MY 3100 Materials Processing I (4) **and**
MY 3110 Materials Processing II (4)

Required Courses (Select 3 credits):

- _____ EE 2111 Electric Circuits I (3)
- _____ EE 3010 Circuits and Instrumentation (3)
- _____ EET 3131 Instrumentation (3)

Energy Technologies Courses (Select 4-9 credits):

- _____ CM/ENT 3974 Fuel Cell Fundamentals (1) **OR**
MEEM 4260 Fuel Cell Technology (3)
- _____ EC 4620 Energy Economics (3)*
- _____ EE 3120 Introduction to Energy Systems (3)
- _____ ENG 4510/ENG5510 Sustainable Futures I (3)*
- _____ ENG 5520 Sustainable Futures II (3)*
- _____ MEEM 4200 Principles of Energy Conversion (3)
- _____ SS 3800 Energy Technology & Policy (3)*

Credits Required = 16

Total Credits _____

Elective Courses (Select 0-5 credits):

- _____ CM 4000 Chemical Engineering Research (1-3)**
- _____ CM 4550 Industrial Chemical Production (3)
- _____ CM 4990 Special Topics in Chemical Engg (1-3)**
- _____ EE 4000 Electrical Eng. Undergrad Research (1-3)**
- _____ EE 4219 Intro to Electric Machinery & Drives (3)
- _____ EE 4227 Power Electronics (3)
- _____ EET 3390 Power Systems (3)
- _____ ENT 29xx Enterprise Project Work (up to 2 cr)**
- _____ ENT 39xx Enterprise Project Work (up to 4 cr)**
- _____ ENT 49xx Enterprise Project Work (up to 4 cr)**
- _____ MEEM 3999 ME Undergrad Research Project (3)**
- _____ MEEM 4220 Internal Combustion Engines I (3)
- _____ MEEM 4240 Combustion & Air Pollution
- _____ MET 4390 Internal Combustion Engines (3)
- _____ MY 4140 Science of Ceramic Materials (3)
- _____ MY 4990 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.**

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)

Student Signature

Date

Minor Advisor Signature

Date