

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

Student ID: _____ Primary Major: _____ Major Completion Term: _____

Required Fluid and Heat Transfer Courses (Select one set of courses 4-8 credits)

- _____ CM 3110 Transport/Unit Operations I (3) Prereqs: CM 2120 and (MA 3520 or MA 3521 or MA 3530 or MA 3560) and MA 3160 and PH 2100
AND CM 3120 Transport/Unit Operations II (3) Prereqs: CM 3110 and CM 2120 and (MA 3520 or MA 3521 or MA 3530 or MA 3560)
- _____ MEEM 3201 Intro Fluid Mech & Heat Trans (4) Prereqs: MEEM 2201 and MEEM 2911(C) and MA 3520 or MA 3521 or MA 3530 or MA 3560
- _____ MET 3400 Applied Fluid Mechanics (3) Prereqs: MET 2130
AND MET 4300 Applied Heat Transfer (3) Prereqs: MET 3600 or (MET 3700 and MET 4360(C))
- _____ MY 3100 Materials Processing I (4) Prereqs: MY 2100 and MA 2160
AND MY 3110 Material Processing II (4) Prereqs: MY 2110 and MY 3100 and (MA 3520 or MA 3521 or MA 3530 or MA 3560)

Required Circuits Course (Select one course, 3 credits)

- _____ EE 2111 Electric Circuits I (3) Prereqs: EE 1110 and MA 2160
- _____ EE 3010 Circuits and Instrumentation (3) Prereqs: none
- _____ EET 3131 Instrumentation (3) Prereqs: EET 1411 or EET 2220 or PH 2230 or EE 2110 or EE 3010

Required Energy Technology Courses (Select 6 or more credits)

- _____ CM/ENT 3979 Alternative Energy Tech. and Processes (1) Prereqs: (CH 1112 or (CH 1150 and CH 1151)) and (MA 1160 or MA 1161)
- _____ EC 4620 Energy Economics (3) Prereqs: EC 2001 and UN 1015 and (UN 1025 or Modern Language – 3000 level or higher)
- _____ EE 3120 Electric Energy Systems (3) Prereqs: EE 2110 or EE 3010 or (EE 2111 and EE 2112(C))
- _____ EET/MET 4380 Alternative Energy Applications (3) Prereqs: EET 2233
- _____ ENG 4510 Sustainable Futures I (3) Prereqs: none
- _____ ENG 5520 Sustainable Futures II (3) Prereqs: none
- _____ MEEM 4200 Principles of Energy Conversion (3) Prereqs: MEEM 4201(C) or MEEM 3230(C) or CM 3230 or ENG 3200 or MY 3100
- _____ MEEM 4260 Fuel Cell Technology (3) Prereqs: MEEM 3230 or CM 3110 or MEEM 3201
OR CM/ENT 3974 Fuel Cell Fundamentals (1) Prereqs: CH 1112 or (CH 1150 and CH 1151)
- _____ SS 3800 Energy Technology & Policy (3) Prereqs: UN 1015 and (UN 1025 or Modern Language – 3000 level or higher)

Elective Courses (Select remaining credits, 0 – 5)

- _____ CM 4080 Undergrad Research in Biofuels Engineering (1-6) Prereqs: none
- _____ EE 4219 Intro to Electric Machinery and Drives (3) Prereqs: EE 2110 or EE 2112 or EE 3010
- _____ EE 4227 Power Electrics (3) Prereqs: EE 3120 and (EE 3130(C) or EE 3131)
- _____ EE 4295 Introduction to Propulsion Systems for Hybrid Electric Vehicles (3) Prereqs: MEEM 2200 or ENG 3200
- _____ EE 4296 Experimental Studies in Hybrid Electric Vehicles (3) Prereqs: none
- _____ EET 3390 Power System (3) Prereqs: EET 2233
- _____ ENT 29xx Enterprise Project Work (up to 2 cr)* Prereqs: none. Topic must be approved by minor advisor.
- _____ ENT 39xx Enterprise Project Work (up to 4 cr)* Prereqs: none. Topic must be approved by minor advisor.
- _____ ENT 49xx Enterprise Project Work (up to 4 cr)* Prereqs: variable. Topic must be approved by minor advisor.
- _____ MEEM 4220 Internal Combustion Engines I (3) Prereqs: MEEM 3210 or MEEM 4201(C)
- _____ MET 4390 Internal Combustion Engines (3) Prereqs: MET 3600 or MET 4300 or (MET 3700 and MET 4360(C))
- _____ MY 4140 Science of Ceramic Materials (3) Prereqs: MY 2100
- _____ XX xxxx Undergraduate Research (1-6)* Topic must be approved by minor advisor.

<p>Total Credits Required – 18* *A minimum of 9 credits are required at the 3000- level or higher</p>

Student Signature_____
Date_____
Minor Advisor Signature_____
Date