

**Students must earn a grade of C or better in each course that is used to meet certificate requirements.**

Name: \_\_\_\_\_

ID Number: \_\_\_\_\_

Certificate Completion Date: \_\_\_\_\_

Degree Sought: \_\_\_\_\_

Expected Graduation Date: \_\_\_\_\_

**Minimum credits required: 16****Required Courses (10 credits)**\_\_\_ EE4219 Introduction to Electric Machinery and Drive Lab (3) **AND**

\_\_\_ EE4220 Introduction to Electric Machinery and Drives Lab (1)

\_\_\_ MEEM4200 Principles of Energy Conversion (3)

\_\_\_ EE/MEEM4295 Intro to Propulsion Systems for Electric Drive Vehicles (3)

**Electives (choose 6 credits or more)**\_\_\_ CM3230 Thermodynamics for Chemical  
Engineers (4) \*\*\*

\_\_\_ EE3120 Electric Energy Systems (3)\*

\_\_\_ EE4227 Power Electronics (3)

\_\_\_ EE3261 Control Systems (3)

\_\_\_ EE4901 EE Design Project I (1) \*\*

\_\_\_ EE4910 EE Design Project II (3) \*\*

\_\_\_ EE/MEEM4296 Intro to Propulsion Systems  
for Electric Drive Vehicles Lab (1-3)

\_\_\_ ENG3200 Thermodynamics/Fluid Mech (3) \*\*\*

\_\_\_ MEEM4220 Internal Combustion Engines I (3)

\_\_\_ MEEM4700 Dynamic Systems &amp; Controls (4)

\_\_\_ MEEM4901 Senior Capstone Design I (2)\*\*

\_\_\_ MEEM4911 Senior Capstone Design II (2)\*\*

\_\_\_ MY3100 Materials Processing (1)\*\*\*

Maximum of 3 credits of the following:

\_\_\_ ENT3950 Enterprise Project Work III (1)\*\*

\_\_\_ ENT3960 Enterprise Project Work IV (1)\*\*

\_\_\_ ENT4950 Enterprise Project Work V (2)\*\*

\_\_\_ ENT4960 Enterprise Project Work VI (2)\*\*

\_\_\_ ENT4951 Enterprise Project Work VII (1)\*\*

\*not allowed for students majoring in Electrical Eng.

\*\*requires Certificate advisor approval of project

\*\*\*not allowed for students majoring in Mech. Eng.

\_\_\_\_\_  
Student\_\_\_\_\_  
Date\_\_\_\_\_  
Certificate Advisor\_\_\_\_\_  
Date