Energy Engineering Minor Requirements Checklist

Name: ____________________  Primary Major: ____________________  Expected Graduation Term: __________

Use the checklist below to assess your progress toward the Minor in Energy Engineering. **Five unique courses and one capstone design course** must be completed to earn the minor.

- Read course descriptions at: [http://energy.pratt.duke.edu/minor-requirements/course-descriptions](http://energy.pratt.duke.edu/minor-requirements/course-descriptions)

1. Core Course (check one)

   - ENRGYEGR 310: Introduction to Energy Generation, Delivery, Conversion and Efficiency
   - ME 461: Energy Engineering and the Environment

2. Energy Engineering Area Courses (check four)  *(at least 1 course in each category; up to 2 courses may be taken outside of Duke)*

   **A. Generation and Delivery**
   - ENRGYEGR 490: Special Topics - Bioenergy
   - ENRGYEGR 490: Special Topics - Renewable Energy Technologies
   - ENRGYEGR 490: Special Topics - Modern Power Systems
   - ECE 496: Special Topics - Solar Cells
   - ME 555: Special Topics - Thin-Film Photovoltaics
   - **Other course** (taken with prior approval of Program Director): ____________________
   - **Other course** (taken with prior approval of Program Director): ____________________

   **B. Conversion and Efficiency**
   - ENRGYEGR 490: Special Topics - Energy for the Built Environment
   - ENRGYEGR 490 or ECE 496: Special Topics - Electric Conversion
   - ENRGYEGR 490: Special Topics - Transportation Energy
   - ME 490: Special Topics - Power for Mechanical Systems
   - **Other course** (taken with prior approval of Program Director): ____________________
   - **Other course** (taken with prior approval of Program Director): ____________________

3. Capstone Design (check one)

   - EGR 424L
   - Departmental capstone
      *(if the project is energy-related, with prior approval by the Energy Engineering Program Director)*

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Energy Engineering Minor Capstone Project Proposal

Name: ____________________  Primary Major: ____________________  Expected Graduation Term: ____________

Email: ____________________

All students in the Minor in Energy Engineering must complete a capstone design project. Use the form below to propose your project.

1. Project Title

2. Overall Objectives (300-500 words)

   Please describe the central questions and goals of your project.

3. Energy-Related Objectives (~100 words)

   Your capstone project must have a substantial energy component to count toward the Minor.