

## 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>

### 1. Core Course (check one)

Semester Taken/Grade

- 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

Semester Taken/Grade

- 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)

Semester Taken/Grade

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

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# Duke

**ENERGY ENGINEERING**  
PRATT SCHOOL OF ENGINEERING

## 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.*