THE GRAINGER POWER ENGINEERING STUDENT AWARDS
MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY

The Department of Electrical and Computer Engineering Power Engineering Faculty of the Missouri University of Science & Technology is pleased to announce **The Grainger Power Engineering Student Awards** in the amount of **$6,000** for students who will complete their degrees in August 2025 through May 2026.

Objective

The objective of the Grainger Awards is to reward high achieving undergraduate and graduate students who have exhibited excellence in power engineering through course selection, research projects, or senior design projects.

Student Awards

Awards will be made in two primary categories: undergraduate and graduate student awards. While some of the requirements will differ between categories, the primary objective in both categories is the same: to motivate and reward excellence in power engineering. **Minimum cumulative GPA of 3.0 and U.S. Citizenship are required in both categories.**

Undergraduate Student Award Eligibility

Undergraduate students who meet the following minimum requirements are eligible to be considered for the award:

- Must graduate in August 2025, December 2025, or May 2026.
- Must have earned a Bachelor of Science degree in Electrical Engineering.
- Must have completed a concentration of study in the electric power engineering field
- Must complete and submit an application by the appropriate deadline.

Table I: Undergraduate Power Engineering Emphasis Courses

Course Number	Course Title
EE 3500	Electromechanics
EE 3540	Power System Design and Analysis
EE 5001	Microgrids
EE 5150	Photovoltaic Systems Engineering
EE 5500	Electric Drive Systems
EE 5510	Electric-Drive Vehicles
EE 5520	Power Electronics
EE 5540	Power Systems Engineering
EE 5550	Electric Power Quality
EE 5570	Extra High Voltage Engineering

A concentration of study in the power engineering field is defined as satisfying one the following:

1. Successful completion of three of the courses listed in Table I.
2. Successful completion of two of the courses listed in Table I and a senior design project with a power engineering faculty advisor.
3. Successful completion of two of the courses listed in Table I and an undergraduate research project with one of the power engineering faculty.

Master of Science Graduate Student Award Eligibility
Graduate students who meet the following minimum requirements are eligible to be considered for the award:

- Must graduate in August 2025, December 2025, or May 2026.
- Must have earned a Master of Science degree and have a power engineering faculty member as thesis advisor.
- Must have completed a concentration of study in the power engineering field
- Must complete and submit an application by the appropriate deadline.

Table II: Graduate Power Engineering Emphasis Courses

Course Number	Course Title
EE 5001	Microgrids
EE 5570	High Voltage Engineering
EE 5550	Power Quality
EE 5560	Distribution Systems
EE 5500	Electric Drive Systems
EE 5540	Power Systems Engineering
EE 5510	Electric Drive Vehicles
EE 5150	Photovoltaics
EE 5520	Power Electronics
EE 6500	Advanced Machines and Drives
EE 6530	Power System Reliability
EE 6580	Power System Operations
EE 6560	Power System Protection
EE 6550	Power System Stability
EE 6570	Surge Phenomena in Power Systems
EE 6540	Computer Methods in Power Systems
EE 6510	Advanced Electric-Drive Vehicles
EE 6520	Advanced Power Electronics
EE 6525	Power Converter Modeling and Design

A concentration of study in the electric power engineering field for the M.S. Award is defined as satisfying the following:

1. Successful completion of three of the courses listed in Table II, of which at least one must be at the 6000 level.

Ph.D. Graduate Student Award Eligibility
Graduate students who meet the following minimum requirements are eligible to be considered for the award:

- Must graduate in August 2025, December 2025, or May 2026.
- Must have earned a Ph.D. degree and have a power engineering faculty member as dissertation major advisor.
- Must have completed a concentration of study in the power engineering field
- Must complete and submit an application by the appropriate deadline.

A concentration of study in the electric power engineering field for the Ph.D. award is defined as satisfying the following:

1. Successful completion of four of the courses listed in Table II, of which at least two must be at the 6000 level.