Michigan Technological University
Registrar's Office

Academic Year 2020-21
Certificate in Electric Power Engineering (CEPE)
Department of Electrical and Computer Engineering
Credits Required: 13

Student Name and ID Number | **Completion Term**

- ✓ Certificates are offered to post-degree undergraduate students who have previously completed a Bachelor's degree.
- ✓ Students must earn a grade of C or better in each course used to meet certificate requirements.
- ✓ Students must complete at least nine credits of upper division course work (3000-level or above) and at least half of the total credits required must be taken at Michigan Tech.

Required Courses: 7 credits	**Credits**
EE 4221 Power System Analysis I (3)	
EE 4222 Power System Analysis II (3)	
EE 4226 Power Engineering Lab (1)	

Electives: Select 6 credits minimum	**Credits**
EE 3010 Circuits and Instrumentation (3)	
EE 3120 Electric Energy Systems (3)	
EE 4219 Intro to Electric Machinery and Drives (3)	
EE 4220 Intro to Electric Machinery and Drives Lab (1)	
EE 4227 Power Electronics (3)	
EE 4228 Power Electronics Lab (1)	
EE 4295 Intro to Propulsion Systems for Hybrid Electric Vehicles (3)	
EE 5223 Power System Protection (3)	
EE 5224 Power System Protection Lab (1)	
EE 5230 Power Systems Operations (3)	
EE 5250 Distribution Engineering (3)	
EE 4800* Special Topics in Electrical Engineering (variable)	
EE 5200 Advanced Methods in Power Systems (3)	
EE 5220 Transient Analysis Methods (3)	
EE 5240 Computer Modeling of Power Systems (3)	
Total Credits Required = 13	

**EE4800 must be power related and receive specific approval from the academic advisor.*

Student Signature **Date** **Academic Advisor Signature** **Date**

Send the completed form to the Registrar's Office for processing

Degree Services Use Only:

Credits_____ Course Grade_____ Residency_____ Upper Division_____ Courses not double counted_____ Term Awarded_____