The Opportunity of a Lifetime

Responding to an impending national shortage of power engineers, the National Science Foundation (NSF) awarded Lawrence Technological University (LTU) a five-year grant totaling $598,000 to create the S-STEM Program to support students pursuing Bachelor of Science degrees in electrical engineering with a concentration in power engineering.

Power engineers develop, maintain, and modernize “the Grid,” the vast network of transformers, generators, motors, and electronics that supply the electrical power that literally runs our economy, society, and country.

LTU’s S-STEM Program offers you the opportunity to prepare for a rewarding and lucrative career in power engineering and especially in the growing nuclear power industry.
The S-STEM Program
The S-STEM Program annually provides 20 scholarships to community college students who wish to attend Lawrence Technological University to complete their Bachelor of Science degrees in electrical engineering with a power engineering concentration.

Other scholarships available are:
- ITC Holding Scholarship (up to $11,200 a year)
- IEEE Power and Energy Society Scholarship ($7,000 total for three years; apply at www.ee-scholarship.org)

You are eligible for the S-STEM Program in LTU’s Department of Electrical and Computer Engineering if you have completed a STEM (Science, Technology, Engineering, or Mathematics) associate program at a southeast Michigan community college. Scholarship recipients become S-STEM Scholars and receive funds to help cover their expenses for tuition, books, and supplies at Lawrence Tech.

As an S-STEM Scholar, you will learn about power engineering through interdisciplinary courses, guest lecturers, field trips, and participation in professional organizations. With the help of its network of local and regional industry partnerships, LTU will work to ensure your success upon graduation with a comprehensive package of career exploration and job placement services.

S-STEM Program Criteria
To be eligible for the S-STEM Program, you must:
- Be a U.S. citizen, alien refugee, or a permanent U.S. resident
- Major in a STEM (Science, Technology, Engineering, or Mathematics) field at your community college
- Enroll full time at LTU after completing your community college studies (at least 12 credits per semester during the award period)
- Demonstrate financial need according to U.S. Department of Education guidelines
- Demonstrate leadership and academic potential
- Maintain a GPA of 2.8 or higher
- Commit to meeting regularly with the S-STEM Program advisors
- Participate in S-STEM activities

Apply Now
The application deadline for the fall semester is August 15, for the spring semester, January 5. Apply as soon as possible as space is limited. To apply:
- Complete your FAFSA at www.fafsa.org
- Complete the NSF S-STEM Program application at www.ltu.edu/s-stem
- Provide transcripts from all the colleges and universities you have attended
- Supply at least one letter of recommendation from a community college professor; a letter from an industry contact is optional
- Write a personal statement detailing your educational and career goals and the financial challenges you face in obtaining an education

Send your application package to khua@ltu.edu or eechair@ltu.edu.

“LTU is leveraging its network of local and regional industry partnerships, including DTE Energy, to aid in the recruitment, retention, and job placement of the S-STEM Scholars.”
– Kun Hua, assistant professor, LTU Department of Electrical and Computer Engineering and S-STEM Program advisor

More Information
www.ltu.edu/s-stem
www.ltu.edu/futurestudents/transfer/transfer_guides.asp

Kun Hua, Lawrence Tech S-STEM Program advisor, at khua@ltu.edu or 248.204.2557

“Electricity generation is one industry you can’t outsource, and there is a shortage of power engineers in this country that could become acute in the next few years as many engineers in this field retire. The job prospects of new power engineers are very bright.”
– Philip Olivier, chair, LTU Department of Electrical and Computer Engineering