Fill a Growing Gap by taking Electrical Engineering Courses by Jason

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Did you know that there is currently a shortage looming both regionally and nationally in Canada in regards to Electrical Engineering Technicians? As such, Centennial College has created its Electrical Engineering Technician program, which trains students to fill these technical positions as the manufacturing sector becomes more specialized, the construction industry flourishes and retirement rates increase. Just in what types of areas can graduates find successful careers? Power distribution and utilization, electrical power generation, transmission, and protection; industrial telecommunications, electrical maintenance and installation, control systems, services, sales, design and repairs are all areas of employment for those who finish Electrical Engineering courses at Centennial College.

During the two years they spend in the Electrical Engineering Technician program, students have the opportunity to learn, explore and master a defined range of electrical functions. These include installations, testing, maintaining, repairing, analyzing and troubleshooting specific kinds of electrical circuits, equipment, and systems, under the supervisions of qualified instructors. These instructors have current industry experience and as such are able to guide students, offer networking tips and share anecdotes that will provide students with real-life examples.

Based out of Progress Campus, Centennial College's biggest campus, the Electrical Engineering Technician program uses up-to-date SETAS labs to provide students with extensive practice and ample opportunity to develop skills required to assume entry-level positions in the industry. This lab experience is enhanced through learning that simulates actual workplace assignments. In addition, through their Electrical Engineering courses, students develop expertise in producing electrical drawings, diagnostics and analysis of electrical systems as well as testing and troubleshooting electrical power systems. Lastly, students obtain thorough grounding in electrical engineering sciences and skills, including electrical circuits, maintenance of electrical instruments or devices, operation of electrical motors and power transmission as used in the industry. Specific Electrical Engineering courses include: Canadian Electrical Code and Drawing Interpretation, Electrical Theory and Installations, Electronics, Ethics in Technology and the Environment, Fluid Power - Hydraulics, Monitoring Systems.

In their final semester, Electrical Engineering Technician students partake in a course called Capstone Project. This is an opportunity to gain real life experience by working on a project that serves as the final component of the diploma program. It requires a great deal of research and effort, and is supervised by the instructor.

Those students who are interested in applying to the Electrical Engineering Technician offering at Centennial College are required to complete an application process. To be eligible to apply, students must possess at minimum an Ontario Secondary School Diploma (OSSD) or equivalent, or mature student status (19 years or older). In addition, they must have finished the compulsory English 12C or U, or skills assessment, or equivalent; and the Math 11M or U, or 12C or U, or skills assessment, or equivalent.

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Klaudia describes how Centennial College's a titleElectrical Engineering courses Electrical Engineering courses cover topics such as Canadian Electrical Code and Drawing Interpretation, Electrical Theory and Installations, Electronics, Ethics in Technology and the Environm. ent, and more.

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