

CAPE BRETON UNIVERSITY | School of Science and Technology

BACHELOR OF ENGINEERING TECHNOLOGY SPECIALIZATION IN ELECTRONICS AND CONTROLS (REGULAR STREAM)

WHAT IS THE STUDY OF ENGINEERING TECHNOLOGY IN ELECTRONICS & CONTROLS?

The BET Electronics & Controls at CBU focuses on electrical engineering, analog and digital design, microelectronics and wireless systems. Instrumentation, Electronics and controls courses combine theoretical principles with hands-on experience and technical expertise related to electronics, instrumentation and microprocessor control. Aspects unique to electrical technology are emphasized, including topics like analog/digital design, industrial instrumentation, control and microelectronics.

WHY STUDY THE BET IN ELECTRONICS & CONTROLS AT CBU?

- The BET Electronics & Controls degree allows you to have a career placement shortly after graduation with numerous opportunities and steady career advancement.
- With CBU's small class sizes, professors spend more time teaching this intricate subject on an individual level, so students can be more than confident in their skills when they enter the professional world.
- Students successfully completing their degree may apply for national certification as a Certified Engineering Technologist (C.E.T.) through TechNOVA (formerly known as the Society for Certified Engineering Technicians and Technologists of Nova Scotia).

BET Degree

This program has **three entry points, so students can start in September, January or May**

To learn more about the BET in Electronics & Controls visit [**chalocanada.ca/betecr**](http://chalocanada.ca/betecr)

BET (E&C) COURSES

- ELEC 3167 Medical Instrumentation
- ELEC 3166 Applied Wireless Systems
- ELEC 3165 Applied Integrated Circuit Systems
- ELEC 3164 Microelectronics Design Tools
- ELEC 3163 Digital Signal Processing
- ELEC 3161 Embedded Operating Systems

ACADEMIC SUCCESS COACHING

At Cape Breton University, we want all of our students to find success - and working with an academic success coach is a great way to get started. This one-on-one meeting gives you the chance to examine the big-picture goals of your university experience and determine the best way to reach them.

During this coaching visit, you will work with your coach to create an academic plan and discuss your strengths and areas in which you could improve.

PROGRAM STRUCTURE

Students will take BET courses that are designated for the electronics & controls specialization throughout their three years of study. There is a focus on practical skills that allow students to immediately enter the workforce upon graduation.

Students will receive a 3-year Canadian university degree upon the successful completion of the program.

ADMISSION REQUIREMENTS

Applicants to the program must have completed five Grade 12 advanced or academic courses including English, mathematics, and two sciences (one of which is preferably physics) with an overall average of at least 65%. Applicants must successfully complete the IELTS exam with a score of 6.5 band average with no individual section score less than 6.0.

CAREER DEVELOPMENT SERVICES

Career Development Services will help you prepare for a successful career. Its services include individual career counselling, resume and cover letter writing, mock interviews with feedback, graduate information, labour market information and more.

CAREERS

Graduates benefit from very high rates of employment immediately after graduation. Careers include industrial controls and automation specialist, electrical assembler, electrical engineering technologist, production machining technologist, electrical estimator, and electrical field service technician among others.

CBU's Bachelor of Engineering Technology (Electronics & Controls) will prepare you with the education necessary for you to achieve success in this important sector.

Attention

For those students who have graduated from an Indian educational institution with a degree in this subject area, credit recognition for your Indian courses is possible.

Please contact Chalo Canada for further details.



Chalo Canada
Your Pathway to Canada

For more information contact:

e: application@chalocanada.ca
w: chalocanada.ca

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