BASC ELECTRICAL ENGINEERING AND BSC COMPUTING TECHNOLOGY

Electrical engineering is at the heart of today's exciting advances in technology. With five technical specializations—communications, systems, electronics, microwave and photonic, and power and sustainable energy—our curriculum will enable you to influence how the world communities communicate, generate sustainable energy and heal diseases. As an electrical engineer, you will work with other engineers or scientists on emerging technologies.

The option of Engineering Management will prepare you with necessary skills to pursue entrepreneurial activities and start your own technology-related business. The double degree program—BASc in Electrical Engineering and BSc in Computing Technology—will put you at the intersection of the two areas that propel the waves of technological development.

This program is offered in English and in French.

All courses are available in English and French. Advanced courses are sometimes offered only in English.

Program Requirements

Upon completion of a Bachelor of Applied Science in Electrical engineering, a student who completes the requirements specified below for 33 extra units will be eligible for a BSc in Computing Technology as a second degree. The remaining 120 units are from their engineering degree; students follow the engineering degree requirements and the Computing Technology degree requirements in parallel. It is not allowed to obtain the Computing Technology degree without also completing the corresponding engineering degree.

Co-operative education is available with this program.

Requirements for this program have been modified. Please consult the 2015-2016 calendars (http://www.uottawa.ca/academic/info/regist/1516/calendars/) for the previous requirements.

BASc in Electrical Engineering [1]		117 Units
ITI 1120	Introduction to Computing I [2]	3 Units
CSI 2101	Discrete Structures	3 Units
CSI 2110	Data Structures and Algorithms	3 Units
CSI 2120	Programming Paradigms	3 Units
CSI 2372	Advanced Programming Concepts With C++	3 Units
CSI 3120	Programming Language Concepts	3 Units
CSI 3131	Operating Systems	3 Units
ITI 1121	Introduction to Computing II	3 Units
MAT 1348	Discrete Mathematics for Computing	3 Units
SEG 2105	Introduction to Software Engineering	3 Units
SEG 2106	Software Construction	3 Units
3 course units in computer science (CSI), software engineering (SEG), or computer engineering (CEG) at the 3000 or 4000 level		3 Units
Total:		**153 Units**

Note(s)

1

Please consult the requirements for the BASc in Electrical Engineering (http://catalogue.uottawa.ca/en/undergrad/basc-electrical-engineering/) program.

2

This course replaces GNG 1106 in the BASc in Electrical Engineering, for the purpose of the double degree, BASc in Electrical Engineering and BSc in Computing Technology.