



Electrical Engineering with Business

Department of Electrical and Computer Engineering

This combined program will allow exceptional students interested in the management of computer, electrical and software companies to pursue an education in Electrical Engineering in the Department of Electrical and Computer Engineering and in Business Administration in the Richard Ivey School of Business. Many of today's business leaders and industrial executives have built their careers from an engineering degree together with a degree in business. The combination of both degrees offers outstanding employment opportunities, especially in the fastest growing sector of small to medium sized companies. The program requires five academic years rather than the usual six years if both degrees were to be completed separately.

Admission and Program Structure

Normally students apply to the Ivey Business School during their second year in Engineering. Students applying to the Ivey Advanced Entry Opportunity (Ivey AEO) are also eligible to be considered for the combined program. Admission to the program is competitive and limited. During the HBA 1 year students apply to the combined Engineering and Business program. Upon completion of the five year program students will receive two degrees: a Bachelor of Engineering Science degree and a BA in Honors Business Administration.

To be eligible for the combined program, all students, including those admitted via the AEO route, must have completed all the requirements of the first year curriculum in the Faculty of Engineering and the second year program in Option B in the Department of Electrical and Computer Engineering. Students must obtain a weighted average (YWA) of 78% in each year. During the second year of the program students are required to complete Business 2257 with a minimum grade of 70%. Engineering students may take Business 2257 during Intersession either after their first or second year.* Demonstrated participation in extra curricular and/or community activities, leadership and work experience are also admission criteria.

Students in this combined program must meet the following progression standards: Students enrolled in first year HBA (Year 3) must attain a standing in the top half of the HBA1 class. In Years 4 and 5, students must attain a minimum weighted average of 75% in their 4000-level HBA courses and a 75% average in their Engineering courses.

***Note:** Students who are not admitted to the HBA program after second year must complete Eng Sci 2211F/G and MME 2234b before graduation. Therefore, students may opt to take the full second year Electrical program and take Business 2257 in the summer preceding or following second year at Intersession. Business 2257 will count as the third year non-technical elective for students who continue solely in the Electrical Engineering program.

First year program (2010-2011): Applied Math 1413, Eng Sci 1050, Physics 1026, Applied Math 1411a/b, Chemistry 1024a/b, Eng Sci 1021a/b, Eng Sci 1022a/b/y, Eng Sci 1036a/b, 1.0 non-technical elective.

Second year program (2011-2012): Applied Math 2415, Comp Sci 1037a, ECE 2205a, ECE 2277a, ECE 2240a, ECE 2231b, ECE 2233b, ECE 2236b, ECE 2241b, Business 2257* (*See note above).

Third year program (2012-2013): HBA 1.

Fourth year program (2013-2014): Applied Math 3415a, ECE 3330a, ECE 3337a, Stat Sci 2141a, ECE 3331b, ECE 3336b, ECE 3370b, ECE 3374b, ECE 3375b, Business 4410 or 4430.

Fifth year program (2014-2015): ECE 4416, ECE 4437a, ECE 4470a, ECE 3349b, Eng Sci 4498G, Business 4505a, Business 4521a or 4522a or 4523a, Business electives totalling 2.0 (selected from the 4000-level courses in the HBA program).

The official version of the academic calendar can be found at: www.westerncalendar.uwo.ca

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