

Major Program Modification – Energy Systems Engineering & Management

1. INTRODUCTION

The Bachelor of Engineering in Energy Systems Engineering degree program was approved in 2004. All other engineering programs at UOIT offer students the 'and management' option. This proposal is to correct an oversight that this option was not formally approved for students in this program.

The structure of this program option will be the same as the '& Management' structure for the other existing 'and management' option offered in the other engineering programs.

There is a wealth of opportunities for graduates in industry and government. The combination of an engineering degree and business and management education provides an added advantage to graduates. In particular for Energy Systems Engineering, there is a high potential for small businesses and entrepreneurial approaches to solving Energy System related problems.

2. DEGREE REQUIREMENTS

a. Program learning outcomes

The learning outcomes for the Energy Systems Engineering program and the '& Management' option remain the same.

b. Admission requirements

The admission requirements are the same as those for students in Nuclear Engineering & Management

c. Program structure

Students take the '& Management' option in the 4th year of their program.

Semester 1
BUSI1101U Financial Accounting BUSI2050U Managerial Economics BUSI2311U Organizational Behaviour ENGR3160U Engineering Operations & Project Mgt.
One additional Business elective selected from: BUSI1700U Introduction to Entrepreneurship BUSI2930U Leadership, Negotiation and Teamwork BUSI3330U The Management of Change BUSI3560U Innovation Management
Semester 2
BUSI2205U Principles of Marketing BUSI2410U Managerial Finance BUSI2603U Introduction to Operations Management BUSI2170 Managerial Accounting BUSI3700U Strategic Management for Professionals
*Students may not receive credit for BUSI2550U and ENGR3160U nor for BUSI 2603U and ENGR3170U. **BUSI 3710U Small Business Management replaces the required BUSI3700U Strategic Management for Professionals as BUSI3700U is already a required course in the Nuclear Engineering and Energy Systems Engineering Programs.

d. Program content

There are no new required courses.

3. RESOURCE REQUIREMENTS

There are no new resource requirements for this program option. This is already being delivered by the Faculty of Business and Information technology for students. This is to formally recognize this program option offered to students in Energy Systems Engineering.

4. BUSINESS PLAN

N/A