Major Program Modification

Faculty: Faculty of Business and IT	Date: October 2012
Program: Networking and IT Security: Minor in Operations Management Networking and IT Security: Minor in Management	

INTRODUCTION

The Networking and IT Security program currently has only one available minor available to the students. The addition of an Operations Management or Management minor will provide more options for the current students. This will enable additional integration of business concepts within the IT programs.

The Operations Management or Management minor complements the business courses to enhance operations and team management skills.

DEGREE REQUIREMENTS

The Bachelor of Information Technology degree with a minor in Operations Management or Management requires a minimum of 18 credit hours in Operations Management courses. Students must complete four core courses and a minimum of two Operations Management elective courses. Students must also maintain a 2.0 GPA (C average on a 4.3 scale) in their minor courses.

The Bachelor of Information Technology degree – Networking and Information Technology Security specialization with a minor in Management requires a minimum of 18 credit hours in Business courses in addition to the business courses already included in the program. Students must complete five core Business courses for a total of 24 credit hours.

Program learning outcomes

The program learning outcomes will be similar to the Network and IT Security program with the addition depth of the business courses to enhance operations and team management skills.

Admission requirements

Operations or Management Minor
The Bachelor of Information Technology degree with a minor in **Operations Management** requires a minimum of 18 credit hours in Operations Management or Management courses. Students must complete four core courses and a minimum of two Operations Management elective courses. Students must also maintain a 2.0 GPA (C average on a 4.3 scale) in their minor courses.

Management Minor
The Bachelor of Information Technology degree – Networking and Information Technology Security specialization with a minor in Business requires a minimum of 18 credit hours in Business courses in addition to the business courses already included in the program. Students must complete five core Business courses for a total of 24 credit hours.

Program structure

Pulling from the existing BCOM program, we are able to offer students interested the minor by choosing specific courses currently offered. These courses will enable students to focus even more on their business skills needed.

Operations Management Core Courses
BUSI 2550U Introduction to Project Management
BUSI 2311U Organizational Behaviour
BUSI 2603U Introduction to Operations Management
BUSI3700U Strategic Management for Professionals

Operations Management Electives:
BUSI 2930U Leadership, Negotiation and Teamwork
BUSI 3330U Management of Change
BUSI3601U Operations Analysis using Spreadsheets
BUSI3650U Innovation Management
BUSI3670U Risk Management Frameworks and Processes
BUSI4610U Business Simulation Modeling

Business Core Courses
BUSI 2550U Project Management
BUSI 2050U Managerial Economics
BUSI2210U Marketing for IT
BUSI 2000U Collaborative Leadership
BUSI 2603U Introduction to Operations Management
BUSI3700U Strategic Management for Professionals
BUSI2120U Accounting for IT
BUSI2XXXU Managerial Finance

RESOURCE REQUIREMENTS

There are no additional resources required as the courses are now being offered in the B.Comm program.

BUSINESS PLAN

N/A.

Bachelor of Information Technology - Networking and IT Security Specialization

With Minor in Operations or Management

Year-Sem.	Course	Course	Course	Course	Course
1-1	**COMM 1050U** Technical Communications	**INFR 1016U** Introductory Calculus	**BUSI 1600U** Management of the Enterprise	**INFR 1411U** Introduction to Networking I	**INFR 1100U** Introduction to Programming
1-2	**INFR 2810U** Computer Architecture *Prereq INFR 1100U (Moved from 2-1)*	**INFR 1010U** Discrete Mathematics (Switched with INFR1016U)	**INFR 2140U** Object Oriented Programming *Prereq INFR 1100U*	**INFR 1421U** Introduction to Networking II *Prereq INFR 1411U*	**BUSI 2210U** Marketing for IT *Co-req BUSI 1700U or BUSI 1600U*
2-1	**BUSI 2000U** Collaborative Leadership	**INFR 2600U** Introduction to Computer Security *Prereq INFR 1010U (Moved from 2-2)*	**INFR 2411U** Advanced Networking I *Prereq INFR 1421U*	**BUSI 2550U** Introduction to Project Management	General Elective or Business Minor or **BUSI 2570U** Cyber Crime
2-2	**INFR 2830U** Operating Systems *Prereq INFR 1100U*	**BUSI 3501U** eBusiness Technologies *Prereq INFR 1100U*	**INFR 2820U** Algorithm and Data Structures *Prereq INFR 1010U or INFR 1016U, INFR 2140U (Moved from 2-1)*	**INFR 2421U** Advanced Networking II *Prereq INFR 2411U*	**INFR 1550U** Law & Ethics of IT
3-1	**INFR 3120U** Web Programming *Prereq INFR 2140U*	**INFR 3710U** Signals and Random Processes *Prereq INFR 1016U*	**INFR 3600U** Cryptography and Network Security *Prereq INFR 1010U, INFR 2600U*	**INFR 2431U** Advanced Networking III *Prereq INFR 2421U*	General Elective or Business Minor Elective
3-2	**INFR 3610U** OS Security (Win and UNIX) *Prereq INFR 2600U, INFR 2830U*	**INFR 3720U** Basics of Digital Transmission *Prereq INFR 3710U*	**INFR 3810U** Database Systems *Prereq INFR 1100U*	**INFR 3850U** Enterprise Network Management *Prereq INFR 2421U, INFR 2830U*	General Elective or Business Minor Elective
4-1	**INFR 4599U** Special Topics in IT *Prereq Year 4 standing*	**INFR 4680U** IT Security Policies and Procedures *Prereq BUSI 3501U*	General Elective or Business Minor Elective or Technical Elective	General Elective or Business Minor Elective	Technical Elective **(INFR 4410U or INFR 4670U)**
		BUSI 4990U Pre-Capstone Workshop			
4-2	**BUSI 4995U** UOIT Edge Capstone Study Project *Prereq INFR 4994U, Year 4 standing*	**INFR 4660U** Web Services and eBusiness Security *Prereq INFR 2820U, INFR 3810U*	**INFR 4690U** IT Forensics *Prereq INFR 2421U, INFR 3600U, INFR 3610U*	Technical Elective **(INFR 4430U or INFR 4760U)**	General Elective or Business Minor Elective or Technical Elective