Faculty of Liberal Arts and Professional Studies
York University

Degree-Level Expectations for Programs	

Program:	**Information Technology**
Degree Type:	**BA**
Degree(s):	**3-year BA ITEC, 4-year Honours in BA ITEC, 4-year Specialised Honours in BA ITEC, 4-year Honours double major, 4-year ITEC ITEC Major/Minor**
Department/School:	**Information Technology (ITEC)**
Submission Date:	**September 4, 2012**

Instructions:

1. On page 1, please complete the information regarding:
   - the name of the program (e.g. Criminology; Public Administration; Sociology; etc.);
   - the degree type of the program (e.g. BA; BDEM; BAS; BHRM; BPA; BSW; etc.);
   - the degree options offered through the program (e.g. *Specialized Honours (120 credits); Honours (120 credits); Bachelor (90 credits); etc.); and*
   - the name of the Department/School that offers the program.

2. For each of the <u>six (6) University Undergraduate Degree Level Expectations (UUDLEs)</u> listed in the chart below, please:
   a) define the relevant degree-level expectations (i.e. describe what is demonstrated by students who are awarded the degree);
   b) describe the relevant program learning objectives/student learning outcomes for each degree-level expectation (i.e., what students should know and/or be able to do by the end of the program); and
   c) align the relevant courses and assessment methods/activities with the program learning objectives/ student learning outcomes. *Note: when a program has a long list of electives, the Unit may include the details on the specific requirement (i.e. students have to choose X courses from the list of Y electives) in the chart below and append the full list of applicable elective courses at the end of this document.*

3. <u>For each program</u> offered by the Department/School, please submit (via email) one completed *Degree-Level Expectations for Programs* document.
   - Email address for submissions: apccps@yorku.ca
   - Submission deadline: **July 31, 2012**

	a) Degree-Level Expectation *This degree is awarded to students who have demonstrated the following:*	b) Program Learning Objectives (with assessment embedded in outcomes) *By the end of this program, students will be able to:*	c) Appropriate Degree Requirement & Assessment *Align courses and assessment methods/activities with the program learning objectives.*
1. Depth and Breadth of Knowledge	This degree is awarded to students who have demonstrated: 1. a general knowledge and understanding of the key concepts, methodologies, theoretical approaches and assumptions in Information Technology 2. a broad understanding of the major areas within Information Technology 3. an ability to work with technical and non-technical users within an organization in order to design , build and administer information systems. 4. a familiarity with latest technologies and the ability to customize and integrate them according to users' needs.	This degree will be awarded to students who have successfully shown competence in the areas of information technology as prescribed degree's programme requirements	ITEC has 5 BA degrees - the 90 credit 3 year degree, 120 credit honours degree, the two 120 specialized honours degree, the ITEC honours double major degree, and the 4-year ITEC honours major/minor Students are assessed on the basis of a mid term and final examinations and assigned projects. In addition to General Education and Mathematics requirements and with the exception of the hounours double major and honours major/minor degrees, each of the degrees require 4 courses chosen from one of the streams in which Information Technology has direct applications. These are • Technology and Society • Health Industry • Technical and Professional Writing • Communications Studies • Management • Marketing The core of the 3 year ITEC BA degree consists of the following courses AP/ITEC 1000 3.00 Introduction to Information Technologies; AP/ITEC 1010 3.00 Information and Organizations; AP/ITEC 1620 3.00 Object-Based Programming; AP/ITEC 2610 3.00 Object-Oriented Programming; AP/ITEC 2620 3.00 Introduction to Data Structures; AP/ADMS 2511 3.00 Management Information Systems; AP/ITEC 3010 3.00 Systems Analysis and Design I; AP/ITEC 3210 3.00 Applied Data Communications and Networks; AP/ITEC 3220 3.00 Using and Designing Databases; AP/ITEC 3230 3.00 Designing User Interfaces; Together with: a choice of 1 courses chosen from: AP/ITEC 3020 3.00 Web Technologies AP/ITEC 3325 3.00 Decision Support Technologies AP/ITEC 3500 Risk Management AP/ITEC 3505 IT Project Management AP/ADMS 3521 3.00 Management and Control of E-commerce systems [formerly ADMS 4511 3.0]

AP/ITEC 4010 3.00 Systems Analysis and Design II;
AP/ITEC 4030 3.00 Business Process Management Systems
AP/ITEC 4040 3.00 Requirements Management
AP/ITEC 4220 3.00 Modern Approaches to Data Management: Database Management Systems
AP/ITEC 4100 Special Topics in IT.

The four honours ITEC degrees contain in their core the majority of the required courses of the 3 year BA augmented with a list taken from 3 year BA options. The honours degrees differ from one another in that the the specialized honours requires 60 required credits and 12 option credits chosen from 9 whereas the Honours degree (non-specialized) has 45 required credits and 6 option credits chosen from 12. The list of options for the honours degrees differs from the 3 year BA in that the following are added:

AP/ITEC 4100 Special Topics in IT
AP/ITEC 4101 Business Integration Technologies
AP/ITEC 4305 3.00 Web Mining
AP/ITEC 4315 3.00 IT and Human Language

Information technology courses making up the ITEC 4-year Honours double major degree are identical to those in the 4-year (non-specialized) honours degree. The difference in the degrees being that streams are omitted for the double major degree. The 4-year honours major/minor degree contains a selection of the above 4-year honours core depending on whether it is a major/minor or a minor/major degree.

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2. **Knowledge of** **Methodologies**	This degree Is awarded to students (1) who have demonstrated a knowledge of the techniques in the main areas of Information Technology and (2) have shown the ability to devise solutions to common information technology problems in a number of broadly defined areas	(1) Students will be expected to have an overview and understanding of techniques methodologies used in solution of problems in information technology and data processing (2) Students will be expected to have a detailed understanding of techniques allowing data processing solutions involving the broadly defined areas of (a) objected oriented programming (b) business and management information systems (c) systems analysis and design (d) data communication and networks (e) database implementation (f) design of user interfaces (g) web technologies	Not all programme objectives apply to the 3 year BA option. The categories are broad and sometimes overlap. Assessment is with midterm and final examinations and in most cases with performance on assigned projects (1) The objectives of providing an overview of techniques and methodologies are addressed with the following courses: ITEC 1000 and ITEC 1010 (2) The objectives of attaining detailed understanding of techniques in the broadly defined area mentioned are addressed (a) for object oriented programming problems by TEC 1620, ITEC 2610, ITEC 2620 (b) for business and management information by ADMS 2511, ADMS 3521, ITEC 3325, ITEC 3505, ITEC 4030, ITEC 4040 and for honours programmes: ITEC 4101, (c) for systems analysis and design by ITEC 3020 and ITEC 4010 each of which draws on many courses in the 3 year core. (d) for data communications and networks by ITEC 3210 (e) for data base implementation by ITEC 3220 and ITEC 4220 (f) for design of user interfaces by ITEC 3230 (g) for web technologies by ITEC 3020 and ITEC 4305

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3. Application of Knowledge	All ITEC courses are application oriented. See above "Knowledge of Methodologies"		

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4. Communication Skills	This degree is awarded to students who have demonstrated the ability to (1) understand clearly and with logical precision the nature of problems that arise in information technology (2) implement document with clarity robust solutions to information technology problems.	Program Learning Objectives with respect to Communications Skills are embedded in each of the broad areas described above under "Knowledge of Methodologies (b)"	Courses associated with the Program Objectives regarding Communication Skills are found above under "knowledge of Methodologies (c)"

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5. Awareness of Limits of Knowledge	Is this a philosophic question? Students quickly and painfully come to a realization of the limits of the techniques of information technology and knowledge in general, when attempting solutions of common data processing problems that had been part of assigned projects.		

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6. Autonomy and Professional Capacity	This degree is awarded to students who have individually and autonomously worked through the implementation of information technology projects and in so doing developed a professional capacity that will allows them to prosper in future work environments.	Program Learning Objectives with respect to Autonomy and Professional Capacity are embedded in each of the broad areas described above under "Knowledge of Methodologies (b)"	Courses associated with the Program Objectives regarding Autonomy and Professional Capacity are found above under "knowledge of Methodologies (c)"