| | a) Degree-Level Expectation<br>*This degree is awarded to students who have demonstrated the following:* | b) Program Learning Objectives<br>(with assessment embedded in outcomes)<br>*By the end of this program, students will be able to:* | c) Appropriate Degree Requirement & Assessment<br>*Align courses and assessment methods/activities with the program learning objectives.* |
|---|---|---|---|
| **1.<br>Depth and Breadth of Knowledge** | This degree is awarded to students who have demonstrated:<br><br>1. a general knowledge and understanding of the key concepts, methodologies, theoretical approaches and assumptions in Information Technology and Administrative Studies<br><br>2. a broad understanding of the major areas within Information Technology and Administrative Studies<br><br>3. an ability to work with technical and non-technical users within an organization in order to design , build and administer business information systems.<br><br>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 and administrative studies as prescribed in the degree's programme requirements | The ITEC Honours BAS degree requires 120 credits. Students are assessed on the basis of mid term and final examinations and assigned projects. In addition to General Education, Mathematics and electives, requirements are:<br>Core requirements:<br>The following 45 courses<br><br>AP/ADMS 1000 3.00 Introduction to Administrative Studies<br>AP/ITEC 1000 3.00 Introduction to Information Technologies<br>AP/ITEC 1010 3.00 Information and Organizations<br>SC/MATH 1190 3.00 Introduction to Sets and Logic<br>AP/ITEC 1620 3.00 or SC/CSE 1020 3.00 Object-Based Programming□<br>AP/ADMS 2500 3.00 Introduction to Financial Accounting<br>AP/ADMS 2510 3.00 Introduction to Management Accounting □<br>AP/ADMS 2511 3.00 Management Information Systems □<br>AP/ITEC 2610 3.00 Object-Oriented Programming□<br>AP/ITEC 3010 3.00 Systems Analysis and Design I□<br>AP/ITEC 3210 3.00 Applied Data Communications and Networks□<br>AP/ITEC 3220 3.00 or SC/CSE 3421 3.00 Using and Designing Database Systems□<br>AP/ITEC 4010 3.00 Systems Analysis and Design II□<br>AP/ITEC 4030 3.00 Business Process Management Systems□<br>AP/ITEC 4040 3.00 Requirements Management<br><br><br>Together with:<br>a choice of 3 courses chosen from:<br>AP/ITEC 2620 3.00 Introduction to Data Structures or SC/CSE 1030 3.00<br>AP/ITEC 3020 3.00 Web Technologies□<br>AP/ITEC 3230 3.00 Designing User Interfaces □<br>AP/ITEC 3500 3.00 Information Technology Risk Management□<br>AP/ITEC 3505 3.00 Information Technology Project Management□<br>AP/ITEC 4000 3.00 Independent Research Project in Information Technology□<br>AP/ITEC 4100 3.00 Topics in Information Technology□<br>AP/ITEC 4101 3.00 Business Integration Technologies□<br>AP/ADMS 2200 3.00 Introductory Marketing □<br>AP/ADMS 2400 3.00 Introduction to Organizational Behaviour□<br>AP/ADMS 2600 3.00 Human Resources Management<br><br>5 additional credits from on e of the following streams:<br><br>*Business Systems Analysis*<br><br>AP/ADMS 3502 3.00 Enterprise Resource Planning Systems |

| | | | AP/ADMS 3521 3.00 Management of Electronic Commerce Systems |
|---|---|---|---|
| | | | ☐AP/ITEC 4101 3.00 Business Integration Technologies☐ |
| | | | AP/ADMS 4511 3.00 Managing and Implementing Strategic Information Systems ☐ |
| | | | AP/ADMS 4900 3.00 Management Policy Part 1 |
| | | | **_E-Commerce Development_** |
| | | | AP/ITEC 3020 3.00 Web Technologies ☐ |
| | | | AP/ITEC 3230 3.00 Designing User Interfaces☐ |
| | | | AP/ITEC 4020 3.00 Internet Client-Server Systems☐ |
| | | | AP/ITEC 4220 3.00 Modern Approaches to Data Management: Database Management Systems☐ |
| | | | **_Information Technology Auditing and Assurance_** |
| | | | AP/ITEC 3500 3.00 Information Technology Risk Management<br>AP/ADMS 3521 3.00 Management of Electronic Commerce Systems<br>AP/ADMS 4515 3.00 Internal Audit<br>AP/ADMS 4517 3.00 Management, Planning and Organization of a Risk-Based IS (Information Systems)<br>AP/ADMS 4518 3.00 Conducting and Documenting a Risk-Based IS (Information Systems) |

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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 as applied to issues arising in a business environment
(2) who have demonstrated competence in a range of topics in administrative studies and information technology.
(3) who have shown expertise and the ability to devise solutions to information technology problems arising in a specialized area | (1)
Students will be expected to have an overview and understanding of techniques and methodologies used in solution of problems in information technology and data processing arising in a business environment

(2)
Students will be expected to have demonstrated competence in the areas of
(a) financial and management accounting
(2) management information
(3) systems analysis and design
(4) object oriented programming

(3)
Students will be expected to have expertise and ability to devise solutions in one of the following 3 areas:
(a) Business Systems Analysis
(b) E-commerce Development
(c) Information Technology Auditing and Assurance | Assessment is with midterm and final examinations and in most cases with also performance on assigned projects

(1) The objectives of providing an overview of techniques and methodologies are addressed with the following courses:
ITEC 1000, ITEC 1010, and ADMS 1000

(2) The objectives of attaining detailed understanding of techniques in listed areas are addressed for
(a) financial and management accounting by ADMD 2500 and ADMS 2510

(b) management information by ADMS 2511, ITEC 4030, ITEC 4040, ITEC 3500, ITEC 3505, ITEC 4101, ADMS 4511, ADMS 3502, ADMS 4900

(c) systems analysis and design by ITEC 3010 and ITEC 4010

(d) object oriented programming by ITEC 1620 and ITEC 2610

(3) The objectives of attaining expertise in the mentioned areas, in addition to core courses, are attained by the following

(a) Business Systems Analysis by: ADMS 3502, ADMS 3521, ITEC 4101, ADMS 4900

(b) e-commerce development by:
ITEC 3020, ITEC 3230, ITEC 4020, ITEC 4220, ITEC 4305

(c) Information Technology Auditing and Assurance by:
ITEC 3500, ADMS 3521, ADMS 4515, ADMS 4517, ADMS 4518 |

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| **3.**<br>**Application of Knowledge** | All ITEC and ADMS courses are application oriented. See above "Knowledge of Methodologies" | | |

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|---|---|---|---|
| **4.**<br>**Communication Skills** | This degree is awarded to students who have demonstrated the ability to<br>(1) understand clearly and with logical precision the nature of problems that arise in the applications of information technology to problems arising in a business environment<br>(2) implement document with clarity robust solutions to information technology problems in a business environment | Program Learning Objectives with respect to Communications Skills are embedded in each of the 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)" |

|  | a) Degree-Level Expectation<br>*This degree is awarded to students who have demonstrated the following:* | b) Program Learning Objectives<br>(with assessment embedded in outcomes)<br>*By the end of this program, students will be able to:* | c) Appropriate Degree Requirement & Assessment<br>*Align courses and assessment methods/activities with the program learning objectives.* |
|---|---|---|---|
| 5.<br>Awareness of Limits of Knowledge | Is this a philosophic question?<br><br>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 business related data processing problems that had been part of assigned projects. |  |  |

|  | a) Degree-Level Expectation<br>*This degree is awarded to students who have demonstrated the following:* | b) Program Learning Objectives<br>(with assessment embedded in outcomes)<br>*By the end of this program, students will be able to:* | c) Appropriate Degree Requirement & Assessment<br>*Align courses and assessment methods/activities with the program learning objectives.* |
|---|---|---|---|
| 6.<br>Autonomy and Professional Capacity | This degree is awarded to students who have individually and autonomously worked through the implementation of information technology projects occurring in a business environment 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 ©" |