# APPROVED

| Programme Code | BSHBIS | Programme Duration | 4 |
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| Programme Level | 8 | | | EQF Level | 6 | EHEA Level | First Cycle |
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| Programme Credits | 240 |
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| Semester Duration | 0 Week(s) |
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| Language of Instruction | English |
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| CAO Code; QQI Progamme Code etc | Code |
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## Programme Outcomes

On successful completion of this programme the learner will be able to :

| Description |
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| The learner will have knowledge and understanding of theory, topics and methods in the computing field, in particular in the following areas: • Programming • Software Engineering. • Business Data Analysis and Business Management and Technology. • Web Development. • IT infrastructure. • Data and Information Management. • Project Management. • Foundation of Information Systems |
| The learner will be able to : • Explain concepts and theories in the specialist areas of computing relating to Business Information Systems. |
| The learner will be able to: • Professionally demonstrate and modify an advanced range of conceptual, practical and technical skills in the research, design and development of information systems to solve business problems. • Apply quality concepts to computing products and processes. |
| The learner will be able to • Analytically identify, formulate and manage technical solutions in the analysis, design and development of business information applications. |
| The learner will be able to • Adopt appropriate professional, ethical and legal principles in the adoption of computer technology. • Apply best practice in developing business systems in a range of real world contexts. |
| The learner will be able to • Work as an information systems analyst and developer individually and in a collaborative group environment. • Organise teams in information systems development with an understanding of the different roles. • Manage issues relating to leadership. • Interact effectively with staff at all levels of an organisation. |
| The learner will be able to • Apply appropriate independent learning strategies which meet the requirements of the rapidly changing computing industry |
| The learner will be able to: • Identify a global awareness of different perspectives, an appreciation of the complexities of business relationships and an ability to apply best practice in building trust, motivation and collaborative work. Among diverse and multicultural groups. • Identify and appropriately address ethical issues. |

## Semester Schedules

### Stage 1 / Semester 1

| Core Subject | |
|---|---|
| Module Code | Title |
| H6MYL | Academic Management Skills |

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|---|---|
| H6IMBC | Introduction to Mathematics for Business & Computing |

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| H6PSP | Problem Solving and Programming Concepts |
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| H6CI | The Computing Industry |
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| H6WD | Web Design and Development |
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## Stage 1 / Semester 2

| Core Subject | |
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| **Module Code** | **Title** |
| H06CA | Computer Architecture |

| H6DM | Digital Multimedia |
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| H06IP | Introduction to Programming |
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| H6SAB | Software Applications for Business |
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| Optional | |
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| **Module Code** | **Title** |
| H6IM | Introduction to Marketing |

| H06OPS | Operating Systems |
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## Stage 2 / Semester 1

| Core Subject | |
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| **Module Code** | **Title** |
| H6FBA | Fundamentals of Business Analysis |

| H06ID | Introduction to Databases |
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|--------|---------|

| H06SPM | IT Project Management |
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| H06OOP | Object Oriented Programming |
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| H6WAD | Web Application Development |
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|---|---|

## Stage 2 / Semester 2

| Core Subject | |
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| **Module Code** | **Title** |
| H06BE | Business Entrepreneurship |

| H06DCN | Data Communications and Networking |
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| H6ITP | Interdisciplinary Team Project |
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| H6MIS | Management Information Systems |
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| BSHC16_ | Software Engineering |
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## Stage 3 / Semester 1

| Core Subject | |
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| **Module Code** | **Title** |
| H7AVB | Advanced Databases |

| H7BID | Business Intelligence and Data Warehousing I |
|---|---|

| H7ENARCH | Enterprise Architecture |
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| H7TPR | Team Project |
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| Optional | |
|---|---|
| **Module Code** | **Title** |
| H7AIT | Advanced Internet Technologies |

| H7IER | Introduction to ERP |
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## Stage 3 / Semester 2

| Group Elective 1 | |
|---|---|
| **Module Code** | **Title** |
| H7ALC | Application Lifecycle |

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| H7BAD | Business Application Development |

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| H7BCS | Business Communication Skills- Enhance Your Personal Impact |

| Group Elective 2 | |
|---|---|
| **Module Code** | **Title** |
| H7WRKPL | Work Placement |

## Stage 4 / Semester 1

| Core Subject | |
|---|---|
| **Module Code** | **Title** |
| H8BID2 | Business Intelligence and Data Warehousing II |

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| H8BNS | Security Principles |

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| H8SPR | Software Project |

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|---|---|
| H8SPR | Software Project |

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| H8SMG | Strategic Management |

| Optional | |
|---|---|
| **Module Code** | **Title** |
| H8BDA | Business Data Analysis |

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| H8GSM | Global Supply Chain Management |

## Stage 4 / Semester 2

| Core Subject | |
|---|---|
| **Module Code** | **Title** |
| H8BPM | Business Process Management |

| H8TM | Information Systems Management |
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| Optional | |
|---|---|
| **Module Code** | **Title** |
| H8CNGMT | Change Management |