Outcome Based Education (OBE) Curriculum

**BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY  
Revised Curriculum**

*Academic Year 2024-2025*

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| **CURRICULUM DESCRIPTION** |

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| **COURSE**  **Bachelor of Science in Information Technology** | **Required Minimum Number as per CMO. No 25, series of 2015** | **Institution** |
| General Education | 36 | 42 |
| Common Courses | 18 | 18 |
| Professional Courses | 48 | 60 |
| Professional Electives | 12 | 15 |
| PATHFIT | 8 | 8 |
| NSTP | 6 | 6 |
| Minimum Total Units | 128 | 149 |

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| --- | --- | --- |
| 1. **General Education** | | **27** |
| Purposive Communication | 3 |  |
| The Contemporary Word | 3 |  |
| Art Appreciation | 3 |  |
| Understanding the Self | 3 |  |
| Mathematics in the Modern world | 3 |  |
| Ethics | 3 |  |
| Readings in the Philippine History | 3 |  |
| Life and Works of Rizal | 3 |  |
| Science, Technology and Society | 3 |  |
| 1. **General Education Electives** |  | **9** |
| Mathematics, Science & Technology (Living in the IT Era) | 3 |  |
| Social Science and Philosophy ( Philippine Indigenous Communities) | 3 |  |
| Arts & Humanities (Peace Studies and Education) | 3 |  |
| 1. **Others General Education Courses Prescribed by the Institution** |  | **6** |
| Fundamentals of Accounting | 3 |  |
| Fundamentals of Entrepreneurship | 3 |  |

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| 1. **COMMON COURSES** | | | **18** |
| CC 101 | Introductions to Computing | 3 |  |
| CC 102 | Computer Programming 1 (Fund. Of Prog.) | 3 |  |
| CC 103 | Computer Programming 2 (Intermediate Prog.) | 3 |  |
| CC 104 | Data Structures and Algorithms | 3 |  |
| CC 105 | Information Management | 3 |  |
| CC 106 | Applications Development and Emerging Technologies | 3 |  |

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| 1. **PROFESSIONAL COURSES** | | | | **60** |
| HCI 101 | Introduction to Human Computer Interaction | | 3 |  |
| IM 101 | Fundamentals of Database System | | 3 |  |
| NET 101 | Networking 1 | | 3 |  |
| MS 101 | Discrete Mathematics | | 3 |  |
| MS 102 | Quantitative Method (incl. Modeling & simulation) | | 3 |  |
| NET 102 | Networking 2 | | 3 |  |
| SIA 102 | System Integration and Architecture 1 | | 3 |  |
| SA 101 | System Administration and Maintenance | | 3 |  |
| IAS 101 | Information Assurance and Security 1 | | 3 |  |
| SIA 102 | System Integration & Architecture 2 | | 3 |  |
| IAS 102 | Information Assurance and Security 2 | | 3 |  |
| SP 101 | Social and Professional Issues | | 3 |  |
| IPT 101 | Integrative Programming and Technologies 1 | | 3 |  |
| CAP 101 | Capstone Project and Research 1 | | 3 |  |
| CAP 102 | Capstone Project and Research 2 | | 3 |  |
| PRAC 101 | Practicum (OJT) | | 6 |  |
| ITP 100 | IT Software Solutions for Business | | 3 |  |
| SE 101 | Software Engineering | | 3 |  |
| SEMTOUR | | Seminar and Tour | 3 |  |

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| 1. **PROFESSIONAL ELECTIVES** | | | **15** |
| PF 101 | Object Oriented Programming | 3 |  |
| HCI 102 | Human-Computer Interaction 2 | 3 |  |
| IPT 102 | Integrative Programming & Technologies 2 | 3 |  |
| PT 101 | Platform Technologies | 3 |  |
| WS 101 | Web System & Technologies | 3 |  |

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| 1. **PHYSICAL EDUCATION** | | | | **8** |
| PE 1 (PATHFIT1) | Movement Competency Training (MCT) | | 2 |  |
| PE 2 (PATHFIT2) | Exercise-based Fitness Activities | | 2 |  |
| PE 3 (PATHFIT3) | Dance (Folk Dance) | | 2 |  |
| PE 4 (PATHFIT4) | Sports ( Volleyball/Basketball) | | 2 |  |
|  | | |  |  |
| 1. **NSTP** | | |  | **6** |
| NSTP 1 | | Civil Welfare and Training Service | 3 |  |
| NSTP 2 | | Civil Welfare and Training Service | 3 |  |

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**BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY**

**Revised Curriculum**

*Academic Year 2024-2025*

**PROGRAM STRUCTURE**

**FIRST YEAR**

**First Semester**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **COURSE CODE** | | **COURSE TITLE** | **LEC UNIT(S)** | **LAB**  **UNIT(S)** | **UNIT(S)** | **PRE-**  **REQUISITES** | |
| English 1 | | Purposive Communication | 3 | 0 | 3 | None | |
| Math 1 | | Mathematics in the Modern World | 3 | 0 | 3 | None |
| Literature 1 | | The Contemporary World | 3 | 0 | 3 | None |
| CC 101 | | Introduction to Computing | 2 | 1 | 3 | None |
| CC 102 | | Computer Programming 1 (Fund. Of Prog.) | 2 | 1 | 3 | None |
| ITP 100 | | IT Software Solution for Business | 2 | 1 | 3 | None |
| PE 1 (PATHFIT1) | | Movement Competency Training (MCT) | 2 | 0 | (2) | None | |
| NSTP 1 | | Civil Welfare and Training Service | 3 | 0 | (3) | None | |
|  |  | | 20 | 3 | 23 |  | |

**Second Semester**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **COURSE CODE** | | **COURSE TITLE** | **LEC UNIT(S)** | **LAB UNIT(S)** | **UNIT(S)** | **PRE-**  **REQUISITES** |
| Philo 1 | | Understanding the Self | 3 | 0 | 3 | None |
| GE Elec. 1 | | Mathematics, Science & Technology (Living in the IT Era) | 3 | 0 | 3 | None |
| HCI 101 | | Introduction to Human Computer Interaction 1 | 2 | 1 | 3 | CC 102 |
| IM 101 | | Fundamentals of Database System | 3 | 0 | 3 | None |
| CC 103 | | Computer Programming 2 (Intermediate Prog.) | 2 | 1 | 3 | CC 102 |
| PE 2 (PATHFIT2) | | Exercise-based Fitness Activities | 2 | 0 | (2) | PE 1 (PATHFIT1) |
| NSTP 2 | | Civil Welfare and Training Service | 3 | 0 | (3) | None |
|  |  | | 18 | 2 | 20 |  |

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**SECOND YEAR**

**First Semester**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **COURSE CODE** | **COURSE TITLE** | **LEC UNIT(S)** | **LAB**  **UNIT(S)** | **UNIT(S)** | **PRE-**  **REQUISITES** |
| History 1 | Readings in the Philippine History | 3 | 0 | 3 | None |
| Social Science 1 | Life and Works of Rizal | 3 | 0 | 3 | None |
| CC 104 | Data Structure and Algorithms | 2 | 1 | 3 | CC 103 |
| CC 105 | Information Management | 2 | 1 | 3 | CC 103 |
| PF 101 | Object Oriented Programming | 2 | 1 | 3 | CC 103 |
| PT 101 | Platform Technologies | 2 | 1 | 3 | CC 103 |
| HCI 102 | Human Computer Interaction 2 | 2 | 1 | 3 | HCI 101 |
| PE 3 (PATHFIT3) | Dance (Folk Dance) | 2 | 0 | (2) | PE 2 (PATHFIT2) |
|  |  | 18 | 5 | 23 |  |

**Second Semester**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **COURSE CODE** | **COURSE TITLE** | **LEC UNIT(S)** | **LAB**  **UNIT(S)** | **UNIT(S)** | **PRE-**  **REQUISITES** |
| Humanities | Art Appreciation | 3 | 0 | 3 | None |
| Ethics | Ethics | 3 | 0 | 3 | None |
| GE-Elec. 2 | Social Science and Philosophy  ( Philippine Indigenous Communities) | 3 | 0 | 3 | None |
| Accounting | Fundamentals of Accounting | 3 | 0 | 3 | None |
| IPT 101 | Integrative Programming & Technologies 1 | 2 | 1 | 3 | PF 101/PT 101 |
| NET 101 | Networking 1 | 2 | 1 | 3 | PT 101 |
| MS 101 | Discrete Mathematics | 3 | 0 | 3 |  |
| PE 4 (PATHFIT4) | Sports ( Volleyball/Basketball) | 2 | 0 | (2) | PE 3 (PATHFIT3) |
|  |  | 21 | 2 | 23 |  |

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**THIRD YEAR**

**First Semester**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **COURSE CODE** | | **COURSE TITLE** | **LEC UNIT(S)** | **LAB**  **UNIT**  **(S)** | **UNIT**  **(S)** | **PRE-**  **REQUISITES** |
| SOCSCI | | Science, Technology and Society | 3 | 0 | 3 | None |
| ENTREP | | Fundamentals of Entrepreneurship | 3 | 0 | 3 | None |
| GE Elec. 3 | | Arts & Humanities (Peace Studies and Education) | 3 | 0 | 3 | None |
| SE 101 | | Software Engineering | 2 | 1 | 3 | None |
| IPT 102 | | Integrative Programming and Technologies 2 | 2 | 1 | 3 | IPT 101 |
| NET 102 | | Networking 2 | 2 | 1 | 3 | NET 101 |
| SIA 101 | | System Integration and Architecture 1 | 2 | 1 | 3 | IPT 101 |
|  |  | | 18 | 4 | 22 |  |

**Second Semester**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **COURSE CODE** | **COURSE TITLE** | **LEC UNIT(S)** | | **LAB UNIT(S)** | | **UNIT(S)** | | **PRE-**  **REQUISITES** | |
| CAPS 101 | Capstone Project 1 | 2 | | 1 | | 3 | | None | |
| MS 102 | Quantitative Methods (Incl. Modeling & Simulation) | 3 | | 0 | | 3 | | MS 101 | |
| IAS 101 | Information Assurance and Security 1 | 2 | | 1 | | 3 | | SIA 101 | |
| SIA 102 | System Integration & Architecture 2 | 2 | | 1 | | 3 | | SIA 101 | |
| WS 101 | Web System & Technologies | 2 | | 1 | | 3 | | None | |
| SemTour | Seminar and Tours | 3 | | 0 | | 3 | | None | |
|  |  | | 14 | | 4 | | 18 | |  | |

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**FOURTH YEAR**

**First Semester**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **COURSE CODE** | | **COURSE TITLE** | **LEC UNIT(S)** | **LAB**  **UNIT(S)** | **UNIT(S)** | **PRE-**  **REQUISITES** |
| CC 106 | | Application Development and Emerging Technologies | 2 | 1 | 3 | None |
| IAS 102 | | Information Assurance and Security 2 | 2 | 1 | 3 | IAS 101 |
| CAPS 102 | | Capstone Project 2 | 2 | 1 | 3 | CAPS 101 |
| SP 101 | | Social and Professional issues | 3 | 0 | 3 | None |
|  |  | | 9 | 3 | 12 |  |

**Second Semester**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **COURSE CODE** | **COURSE TITLE** | **LEC UNIT(S)** | **LAB UNIT(S)** | **UNIT(S)** | **PRE-**  **REQUISITES** |
| Prac 101 | Practicum (486hrs) | 6 | 0 | 6 |  |
| SA 101 | Systems Administration and Maintenance | 2 | 1 | 3 | IAS 102 |
|  |  | 8 | 1 | 9 |  |

*PREPARED BY: NOTED BY: REVIEWED BY: NOTED BY:*

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**Dean Administrator/RMO Education Supervisor 11 Chief Education Program Specialist**

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