**Bachelor of Science in Computer Science**

**AY 2008-2009**

**FIRST YEAR – FIRST TERM**

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| **COURSE CODE** | **COURSE TITLE** | **CREDIT UNITS** |
| CS100 | INTRODUCTION TO COMPUTER SYSTEMS | 3.0  |
| ENG011 | ENGLISH FOR ACADEMIC STUDIES 1 | 2.0  |
| FIL011 | FILIPINO 1 | 2.0  |
| IT011L | I.T. FUNDAMENTALS 1 (LAB) | 1.0  |
| MATH010 | INTERMEDIATE ALGEBRA | 3.0  |
| PE021 | PHYSICAL EDUCATION 1 | (1.5) |
| VE011 | VALUES EDUCATION 1 | (1.0) |
|  |  | **11.0**  |

**FIRST YEAR – SECOND TERM**

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| **COURSE CODE** | **COURSE TITLE** | **CREDIT UNITS** |
| CS101P-1 | LOGIC FORMULATION, PROBLEM SOLVING AND ALGORITHMS 1 (PAIRED) | 3.0  |
| ENG012 | ENGLISH FOR ACADEMIC STUDIES 2 | 2.0  |
| FIL012 | FILIPINO 2 | 2.0  |
| IT012L | I.T. FUNDAMENTALS 2 (LAB) | 1.0  |
| MATH011 | ALGEBRA | 3.0  |
|  | HUMANITIES 1 | 3.0  |
| PE022 | PHYSICAL EDUCATION 2 | (1.5) |
|  |  | **14.0**  |

**FIRST YEAR – THIRD TERM**

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| **COURSE CODE** | **COURSE TITLE** | **CREDIT UNITS** |
| CHM015 | GENERAL CHEMISTRY | 3.0  |
| CS101P-2 | LOGIC FORMULATION, PROBLEM SOLVING AND ALGORITHMS 2 (PAIRED) | 3.0  |
| ENG013 | ENGLISH FOR ACADEMIC STUDIES 3 | 2.0  |
| FIL013 | FILIPINO 3 | 2.0  |
| IT013L | I.T. FUNDAMENTALS 3 (LAB) | 1.0  |
| MATH012 | PLANE AND SPHERICAL TRIGONOMETRY | 3.0  |
| PE023 | PHYSICAL EDUCATION 3 | (1.5) |
|  |  | **14.0**  |

**SECOND YEAR – FIRST TERM**

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| **COURSE CODE** | **COURSE TITLE** | **CREDIT UNITS** |
| CS102 | DATA STRUCTURES AND FILE ORGANIZATION | 3.0  |
| IT111P | OOP 1 - CONCEPTS IN OBJECT ORIENTED PROGRAMMING (PAIRED) | 3.0  |
| MATH013 | ANALYTIC GEOMETRY | 3.0  |
| PHY015 | GENERAL PHYSICS | 3.0  |
|  | HUMANITIES 2 | 3.0  |
| PE024 | PHYSICAL EDUCATION 4 | (1.5) |
|  |  | **15.0**  |

**SECOND YEAR – SECOND TERM**

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| **COURSE CODE** | **COURSE TITLE** | **CREDIT UNITS** |
| BIO011 | GENERAL BIOLOGY | 3.0  |
| CS103 | SYSTEMS ANALYSIS AND DESIGN 1 | 3.0  |
| IT112P-1 | OOP 2 - PROGRAMMING WITH WINDOWS FORMS 1 (PAIRED) | 3.0  |
| MATH014 | SOLID MENSURATION | 2.0  |
|  | SOCIAL SCIENCE 1 | 3.0  |
| PE025 | PHYSICAL EDUCATION 5 | (1.5) |
| VE012 | VALUES EDUCATION 2 | (1.0) |
|  |  | **14.0**  |

**SECOND YEAR – THIRD TERM**

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| **COURSE CODE** | **COURSE TITLE** | **CREDIT UNITS** |
| CS105P | INTRODUCTION TO RELATIONAL DATA BASE MANAGEMENT (PAIRED) | 3.0  |
| CS120 | STRUCTURE OF PROGRAMMING LANGUAGES | 3.0  |
| IT112P-2 | OOP 2 - PROGRAMMING WITH WINDOWS FORMS 2 (PAIRED) | 3.0  |
| MATH021 | CALCULUS 1 | 3.0  |
|  | HUMANITIES 3 | 3.0  |
| PE026 | PHYSICAL EDUCATION 6 | (1.5) |
|  |  | **15.0**  |

**SECOND YEAR – SUMMER TERM**

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| **COURSE CODE** | **COURSE TITLE** | **CREDIT UNITS** |
|  | SOCIAL SCIENCE 2 | 3.0  |
|  | SOCIAL SCIENCE 3 | 3.0  |
|  | SOCIAL SCIENCE 4 | 3.0  |
|  |  | **9.0**  |

**THIRD YEAR – FIRST TERM**

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| **COURSE CODE** | **COURSE TITLE** | **CREDIT UNITS** |
| COE101P-1 | DIGITAL DESIGN (PAIRED) | 3.0  |
| CS121 | DESIGN AND ANALYSIS OF ALGORITHMS | 3.0  |
| ENG014 | ENGLISH FOR THE WORKPLACE 1 | 3.0  |
| IT113P | OOP 3 - REUSABILITY OF CODES AND LIBRARIES, WEB SERVICES, AND LOAD BALANCING (PAIRED) | 3.0  |
| MATH022 | CALCULUS 2 | 3.0  |
| NSTP011 | NATIONAL SERVICE TRAINING PGM 1 | (2.0) |
|  |  | **15.0**  |

**THIRD YEAR – SECOND TERM**

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| **COURSE CODE** | **COURSE TITLE** | **CREDIT UNITS** |
| COE131P-1 | COMPUTER SYSTEMS AND ASSEMBLY LANGUAGE PROGRAMMING (PAIRED) | 3.0  |
| IT114P | OOP 4 - PROGRAMMING USING ACTIVE DATA OBJECTS (PAIRED) | 3.0  |
| IT130 | DATA COMMUNICATIONS AND INTRODUCTION TO NETWORKING TECHNOLOGIES | 3.0  |
| MATH023 | CALCULUS 3 | 3.0  |
| MATH110 | PROBABILITY AND STATISTICS | 3.0  |
| NSTP012 | NATIONAL SERVICE TRAINING PGM 2 | (2.0) |
| VE013 | VALUES EDUCATION 3 | (1.0) |
|  |  | **15.0**  |

**THIRD YEAR – THIRD TERM**

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| **COURSE CODE** | **COURSE TITLE** | **CREDIT UNITS** |
| IT115P | OOP 5 - PROGRAMMING USING WEB (PAIRED) | 3.0  |
| MATH140 | DISCRETE MATHEMATICS | 3.0  |
| RES110P | METHODS OF RESEARCH (PAIRED) | 3.0  |
|  | CS SPECIALIZATION ELECTIVE 1 | 3.0  |
|  | CS/IT FREE ELECTIVE 1 | 3.0  |
| NSTP013 | NATIONAL SERVICE TRAINING PGM 3 | (2.0) |
|  |  | **15.0**  |

**THIRD YEAR – SUMMER TERM**

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| **COURSE CODE** | **COURSE TITLE** | **CREDIT UNITS** |
|  | CS/IT FREE ELECTIVE 2 | 3.0  |
|  | CS/IT FREE ELECTIVE 3 | 3.0  |
|  |  | **6.0**  |

**FOURTH YEAR – FIRST TERM**

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| **COURSE CODE** | **COURSE TITLE** | **CREDIT UNITS** |
| CS123 | MODELLING AND SIMULATION | 3.0  |
| CS150P | SOFTWARE ENGINEERING (PAIRED) | 3.0  |
| CS200P-1 | THESIS 1 (PAIRED) | 2.0  |
| IT126L | SCIENCE APPLICATION PROGRAMMING (LAB) | 1.0  |
|  | CS SPECIALIZATION ELECTIVE 2 | 3.0  |
|  | SOCIAL SCIENCE 5 | 3.0  |
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**FOURTH YEAR – SECOND TERM**

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| **COURSE CODE** | **COURSE TITLE** | **CREDIT UNITS** |
| COE151P | OPERATING SYSTEMS APPLICATIONS (PAIRED) | 3.0  |
| CS122 | AUTOMATA AND LANGUAGE THEORY | 3.0  |
| CS200P-2 | THESIS 2 (PAIRED) | 2.0  |
| ENG015 | ENGLISH FOR THE WORKPLACE 2 | 3.0  |
|  | CS SPECIALIZATION ELECTIVE 3 | 3.0  |
| VE014 | VALUES EDUCATION 4 | (1.0) |
|  |  | **14.0**  |

**FOURTH YEAR – THIRD TERM**

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| **COURSE CODE** | **COURSE TITLE** | **CREDIT UNITS** |
| CS180F | C.S. FIELD TRIPS (FLD) | 1.0  |
| CS198L | COMPREHENSIVE EXAMINATION MODULE (LAB) | (1.0) |
| CS200P-3 | THESIS 3 (PAIRED) | 2.0  |
| IT181 | ETHICS AND I.T. LAWS | 3.0  |
|  | CS SPECIALIZATION ELECTIVE 4 | 3.0  |
|  |  | **9.0**  |