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| **BACHELOR OF SCIENCE IN COMPUTER SCIENCE** |
| *(Curriculum applicable to students who entered as freshmen beginning school year 2010-2011)* |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 1 | 1 | CS100 | INTRODUCTION TO COMPUTER SYSTEMS | 4.5  | - | 3.0  |  |  | CIT |
| 1 | 1 | ENG011 | ENGLISH FOR ACADEMIC STUDIES 1 | 3.0  | - | 2.0  |  |  | CAS |
| 1 | 1 | FIL011 | FILIPINO 1 | 3.0  | - | 2.0  |  |  | CAS |
| 1 | 1 | IT011L | I.T. FUNDAMENTALS 1 (LAB) | - | 3.0  | 1.0  |  |  | CIT |
| 1 | 1 | MATH011 | ALGEBRA | 4.5  | - | 3.0  |  |  | CAS |
| 1 | 1 | HUM011 | LOGIC REASONING WITH CRITICAL THINKING | 4.5  | - | 3.0  |  |  | CAS |
| 1 | 1 | CWTS011 | OVERVIEW OF THE NATIONAL SERVICE TRAINING PROGRAM  | 3.0 | - | 2.0 |  |  | CSRO |
| 1 | 1 | PE021 | PHYSICAL EDUCATION 1: PHYSICAL FITNESS & GYMNASTICS | - | 2.5  | 1.5 |  |  | CAS |
| 1 | 1 | VE011 | VALUES EDUCATION 1 | 1.5  | - | 1.0 |  |  | CAS |
|   |   |   | **Total** | **24.0**  | **5.5**  | **18.5\***  |   |   |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 1 | 2 | CS101P-1 | LOGIC FORMULATION, PROBLEM SOLVING AND ALGORITHMS 1 (PAIRED) | 3.0  | 4.5  | 3.0  |  |  | CIT |
| 1 | 2 | ENG012 | ENGLISH FOR ACADEMIC STUDIES 2 | 3.0  | - | 2.0  | ENG011 |  | CAS |
| 1 | 2 | FIL012 | FILIPINO 2 | 3.0  | - | 2.0  | FIL011 |  | CAS |
| 1 | 2 | IT012L | I.T. FUNDAMENTALS 2 (LAB) | - | 3.0  | 1.0  | IT011L |  | CIT |
| 1 | 2 | MATH012 | PLANE AND SPHERICAL TRIGONOMETRY | 4.5  | - | 3.0  | MATH011 |  | CAS |
| 1 | 2 |  HUM012 | PHILOSOPHY OF THE HUMAN PERSON | 4.5  | - | 3.0  |  |  | CAS |
| 1 | 2 | CWTS012 | CIVIC WELFARE TRAINING COURSE - I | 3.0 | -  | 2.0 | CWTS011 |  | CSRO |
| 1 | 2 | PE022 | PHYSICAL EDUCATION 2: DANCE & MARTIAL ARTS | - | 2.5  | 1.5 |   |  | CAS |
|   |   |   | **Total** | **21.0** | **10.0**  | **17.5\***  |   |   |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 1 | 3 | CHM015 | GENERAL CHEMISTRY 1 | 4.5 | - | 3.0  |  |  | CAS |
| 1 | 3 | CHM015 | GENERAL CHEMISTRY 1 LABORATORY | -  | 3.0 | 1.0  |  |  CHM015 | CAS |
| 1 | 3 | CS101P-2 | LOGIC FORMULATION, PROBLEM SOLVING AND ALGORITHMS 2 (PAIRED) | 3.0  | 4.5  | 3.0  | CS101P-1 |  | CIT |
| 1 | 3 | ENG013 | ENGLISH FOR ACADEMIC STUDIES 3 | 3.0  | - | 2.0  | ENG012 |  | CAS |
| 1 | 3 | FIL013 | FILIPINO 3 | 3.0  | - | 2.0  | FIL012 |  | CAS |
| 1 | 3 | IT013L | I.T. FUNDAMENTALS 3 (LAB) | - | 3.0  | 1.0  | IT012L |  | CIT |
| 1 | 3 | MATH013 | ANALYTIC GEOMETRY | 4.5  | - | 3.0  | MATH012 |  | CAS |
| 1 | 3 | CWTS013 | CIVIC WELFARE TRAINING COURSE - II | 3.0 | - | 2.0 | CWTS012 |  | CSRO |
| 1 | 3 | PE023 | PHYSICAL EDUCATION 3: INDIVIDUAL/DUAL SPORTS | - | 2.5  | 1.5 |   |  | CAS |
|   |   |   | **Total** | **21.0**  | **13.0**  | **18.5\*** |   |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 2 | 1 | CS102 | DATA STRUCTURES AND FILE ORGANIZATION | 4.5  | - | 3.0  | CS101P-2 |  | CIT |
| 2 | 1 | IT111P | OOP 1 - CONCEPTS IN OBJECT ORIENTED PROGRAMMING (PAIRED) | 3.0  | 4.5  | 3.0  | CS101P-2 |  | CIT |
| 2 | 1 | MATH014 | SOLID MENSURATION | 3.0  | - | 2.0  | MATH012 |  | CAS |
| 2 | 1 |  SSO15 | POLITICS, GOVERNANCE & THE 1987 PHILIPPINE CONSTITUTION | 4.5  | - | 3.0  |  |  | CAS |
| 2 | 1 |  HUM013 | LITERATURE & CREATIVE ARTS | 4.5  | - | 3.0  |  |  | CAS |
| 2 | 1 | PE024 | PHYSICAL EDUCATION 4: ADVANCED INDIVIDUAL/DUAL SPORTS | - | 2.5  | 1.5 | PE023 |  | CAS |
|   |   |   | **Total** | **19.5**  | **7.0**  | **15.5\*** |   |   |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 2 | 2 | BIO011 | GENERAL BIOLOGY | 4.5  | - | 3.0  |  |  | CAS |
| 2 | 2 | CS103 | SYSTEMS ANALYSIS AND DESIGN 1 | 4.5  | - | 3.0  | CS102 |  | CIT |
| 2 | 2 | IT112P-1 | OOP 2 - PROGRAMMING WITH WINDOWS FORMS 1 (PAIRED) | 3.0  | 4.5  | 3.0  | IT111P |  | CIT |
| 2 | 2 | MATH021 | CALCULUS 1  | 4.5  | - | 3.0  | MATH012 |  | CAS |
| 2 | 2 |  SS018 | CIVILIZATION & DEVELOPMENT IN ASIA | 4.5  | - | 3.0  |  |  | CAS |
| 2 | 2 | PE025 | PHYSICAL EDUCATION 5: TEAM SPORTS | - | 2.5  | 1.5 |  |  | CAS |
| 2 | 2 | VE012 | VALUES EDUCATION 2 | 1.5  | - | 1.0 | VE011 |  | CAS |
|   |   |   | **Total** | **22.5**  | **7.0**  | **17.5\*** |   |   |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 2 | 3 | CS105P | INTRODUCTION TO RELATIONAL DATA BASE MANAGEMENT (PAIRED) | 3.0  | 4.5  | 3.0  | IT112P-1 |  | CIT |
| 2 | 3 | CS120 | STRUCTURE OF PROGRAMMING LANGUAGES | 4.5  | - | 3.0  | CS102 |  | CIT |
| 2 | 3 | IT112P-2 | OOP 2 - PROGRAMMING WITH WINDOWS FORMS 2 (PAIRED) | 3.0  | 4.5  | 3.0  | IT112P-1 |  | CIT |
| 2 | 3 | MATH022 | CALCULUS 2 | 4.5  | - | 3.0  | MATH021, MATH013 |  | CAS |
| 2 | 3 | PHY015 | GENERAL PHYSICS | 4.5 | - | 3.0  | MATH011 |  | CAS |
| 2 | 3 | PHY015L | GENERAL PHYSICS (LAB) | -  | 3.0 | 1.0  | MATH011 |  PHY015 | CAS |
| 2 | 3 | PE026 | PHYSICAL EDUCATION 6: ADVANCED TEAM SPORTS | - | 2.5  | 1.5 | PE025 |  | CAS |
|   |   |   | **Total** | **19.5**  | **14.5**  | **17.5\*** |   |   |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 2 | 4 |  SS013 | ECONOMICS, TAXATION & AGRARIAN REFORM | 4.5  | - | 3.0  |  |  | CAS |
| 2 | 4 |  SS017 | SOCIETY, CULTURE & FAMILY LIFE | 4.5  | - | 3.0  |  |  | CAS |
|   |   |   | **Total** | **9.0**  | **0.0**  | **6.0\***  |   |   |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 3 | 1 | CPE101-1P | DIGITAL DESIGN (PAIRED) | 3.0  | 4.5  | 3.0  |  |  | MITL |
| 3 | 1 | CS121 | DESIGN AND ANALYSIS OF ALGORITHMS | 4.5  | - | 3.0  | CS102 |  | CIT |
| 3 | 1 | ENG041L | ENGLISH FOR THE WORKPLACE 1 | - | 3.0 | 1.0  | ENG013 |  | CAS |
| 3 | 1 | IT113P | OOP 3 – PROGRAMMING USING ADO.NET (PAIRED) | 3.0  | 4.5  | 3.0  | IT112P-2 |  | CIT |
| 3 | 1 | MATH023 | CALCULUS 3 | 4.5  | - | 3.0  | MATH022 |  | CAS |
|   |   |   | **Total** | **15.0**  | **12.0**  | **13.0\***  |   |   |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 3 | 2 | CPE131-1P | COMPUTER SYSTEMS ORGANIZATION AND ARCHITECTURE WITH ASSEMBLY LANGUAGE PROGRAMMING (PAIRED) | 3.0  | 4.5  | 3.0  |  |  | MITL |
| 3 | 2 | ENG042L | ENGLISH FOR THE WORKPLACE 2 | - | 3.0 | 1.0  | ENG041L |  | CAS |
| 3 | 2 | IT114P | OOP 4 - PROGRAMMING USING WEB (PAIRED) | 3.0  | 4.5  | 3.0  | IT112P-2 |  | CIT |
| 3 | 2 | IT130 | DATA COMMUNICATIONS AND INTRODUCTION TO NETWORKING TECHNOLOGIES | 4.5  | - | 3.0  |   |  | CIT |
| 3 | 2 | MATH110 | PROBABILITY AND STATISTICS | 4.5  | - | 3.0  | MATH011 |  | CAS |
| 3 | 2 | VE013 | VALUES EDUCATION 3 | 1.5  | -  | 1.0 | VE011 |  | CAS |
|   |   |   | **Total** | **16.5**  | **12.0**  | **14.0\***  |   |   |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 3 | 3 | IT115P | OOP 5 - REUSABILITY OF CODES AND LIBRARIES, WEB SERVICES, AND LOAD BALANCING (PAIRED) | 3.0  | 4.5  | 3.0  | IT114P |   | CIT |
| 3 | 3 | MATH140 | DISCRETE MATHEMATICS | 4.5  | - | 3.0  | MATH011 |  | CAS |
| 3 | 3 | RES110P | METHODS OF RESEARCH (PAIRED) | 3.0  | 4.5  | 3.0  | ENG042L, MATH110 |  | CIT |
| 3 | 3 |   | CS SPECIALIZATION ELECTIVE 1 | 3.0  | 4.5  | 3.0  |  |  | CIT |
| 3 | 3 |   | CS/IT FREE ELECTIVE 1 | 4.5  | - | 3.0  |  |  | CIT |
|   |   |   | **Total** | **18.0**  | **13.5**  | **15.0\*** |   |   |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 4 | 1 | CS123 | MODELLING AND SIMULATION | 4.5  | - | 3.0  |  |  | CIT |
| 4 | 1 | CS150P | SOFTWARE ENGINEERING (PAIRED) | 3.0  | 4.5  | 3.0  | CS105P |  | CIT |
| 4 | 1 | CS200P-1 | THESIS 1 (PAIRED) | 1.5  | 4.5  | 2.0  | RES110P |  | CIT |
| 4 | 1 | IT126L | SCIENCE APPLICATION PROGRAMMING (LAB) | - | 4.5  | 1.0  | BIO011, CHM015, IT112P-2, PHY015 |  | CIT |
| 4 | 1 |   | CS SPECIALIZATION ELECTIVE 2 | 3.0  | 4.5  | 3.0  |   |  | CIT |
| 4 | 1 |  SS014 | JOSE RIZAL & THE DEVELOPMENT OF FILIPINO NATIONALISM | 4.5  | - | 3.0  |   |   | CAS |
|   |   |   | **Total** | **16.5**  | **18.0**  | **15.0\*** |   |   |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 4 | 2 | CPE151P | OPERATING SYSTEMS APPLICATIONS (PAIRED) | 3.0  | 4.5  | 3.0  |  |  | MITL |
| 4 | 2 | CS122 | AUTOMATA AND LANGUAGE THEORY | 4.5  | - | 3.0  | MATH140 |  | CIT |
| 4 | 2 | CS200P-2 | THESIS 2 (PAIRED) | 1.5  | 4.5  | 2.0  | CS200P-1 |  | CIT |
| 4 | 2 | ENG043L | ENGLISH FOR THE WORKPLACE 3 | - | 3.0 | 1.0  | ENG042L |  | CAS |
| 4 | 2 |   | CS SPECIALIZATION ELECTIVE 3 | 3.0  | 4.5  | 3.0  |   |  | CIT |
| 4 | 2 |   | CS/IT FREE ELECTIVE 2 | 4.5  | - | 3.0  |   |   | CIT |
| 4 | 2 | VE014 | VALUES EDUCATION 4 | 1.5  | - | 1.0 | VE013 |  | CAS |
|   |   |   | **Total** | **18.0**  | **16.5**  | **16.0\*** |   |   |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 4 | 3 | CS198L | COMPREHENSIVE EXAMINATION MODULE (LAB) | - | 4.5  | 1.0 | CANDIDATE FOR GRADUATION |  | CIT |
| 4 | 3 | CS180F | C.S. FIELD TRIPS (FLD) | - | 4.5  | 1.0  | CANDIDATE FOR GRADUATION |  | CIT |
| 4 | 3 | CS200P-3 | THESIS 3 (PAIRED) | 1.5  | 4.5  | 2.0  | CS200P-2 |  | CIT |
| 4 | 3 | IT181 | ETHICS AND I.T. LAWS | 4.5  | - | 3.0  | 4th Year Standing |  | CIT |
| 4 | 3 |   | CS/IT FREE ELECTIVE 3 | 4.5  | - | 3.0  |   |   | CIT |
| 4 | 3 |   | CS SPECIALIZATION ELECTIVE 4 | 3.0  | 4.5  | 3.0  |   |   | CIT |
|   |   |   | **Total** | **13.5**  | **18.0**  | **13.0\***  |   |   |  |

**Required Units of Specialization : 12.00**

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| **TRACK FOR JAVA PROGRAMMING** |

**Specialization Code: JAVA TRACK**

|  |  |  |  |  |  |  |  |  |  |
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| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 3 | 3 | CS131P  | JAVA 1 - INTRODUCTION TO JAVA PROGRAMMING (PAIRED) | 3.0  | 4.5  | 3.0  | CS102 |  NONE | CIT |
|   |   |   | **Total** | **3.0**  | **4.5**  | **3.0**  |   |   |  |
|  |  |  |  |  |  | 0.0  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 4 | 1 | CS132P  | JAVA 2 - JAVA PROGRAMMING USING FORMS (PAIRED) | 3.0  | 4.5  | 3.0  | CS131P |  NONE | CIT |
|   |   |   | **Total** | **3.0** | **4.5** | **3.0** |   |   |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 4 | 2 | CS133P  | JAVA 3 - JAVA APPLETS (PAIRED) | 3.0  | 4.5  | 3.0  | CS132P |  NONE | CIT |
|   |   |   | **Total** | **3.0**  | **4.5**  | **3.0**  |   |   |  |
|  |  |  |  |  |  | 0.0  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 4 | 3 | CS134P  | JAVA 4 - ADVANCED JAVA PROGRAMMING (PAIRED) | 3.0  | 4.5  | 3.0  | CS133P |  NONE | CIT |
|   |   |   | **Total** | **3.0**  | **4.5**  | **3.0**  |   |   |  |

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| **TRACK FOR NETWORK ADMINISTRATION** |
| **Specialization Code: CCNA** |

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| **Year** | **Term** | **Code** | Title | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 3 | 3 | IT131P  | CCNA 1 - NETWORKING BASICS | 3.0  | 4.5  | 3.0  |  NONE | NONE  | CIT |
|   |   |   | **Total** | **3.0**  | **4.5**  | **3.0**  |   |   |  |
|  |  |  |  |  |  | 0.0  |  |  |  |
| **Year** | **Term** | **Code** | Title | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 4 | 1 | IT132P  | CCNA 2 - ROUTERS AND ROUTING BASICS | 3.0  | 4.5  | 3.0  | IT131P |  NONE | CIT |
|   |   |   | **Total** | **3.0**  | **4.5**  | **3.0**  |  |   |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | Title | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 4 | 2 | IT133P  | CCNA 3 - SWITCHING BASICS AND INTERMEDIATE ROUTING | 3.0  | 4.5  | 3.0  | IT132P |  NONE | CIT |
|   |   |   | **Total** | **3.0**  | **4.5**  | **3.0**  |   |   |  |
|  |  |  |  |  |  | 0.0  |  |  |  |
| **Year** | **Term** | **Code** | Title | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 4 | 3 | IT134P  | CCNA 4 - WAN TECHNOLOGIES | 3.0  | 4.5  | 3.0  | IT133P | NONE  | CIT |
|   |   |   | **Total** | **3.0**  | **4.5**  | **3.0**  |   |   |  |

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| **ELECTIVES FOR BATCH 2010** |
| **Elective Type: CIT FREE ELECTIVES 2010 (9)****Required Units: 9.00** |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
|  --- |  --- | MGT110 | ENTREPRENEURSHIP AND MANAGEMENT | 4.5  | - | 3.0  |  NONE |  NONE | ETYCB |
|  --- |  --- | MATH015 | BUSINESS AND INVESTMENT MATHEMATICS | 4.5  | - | 3.0  | MATH011 |  NONE | CAS |
|  --- |  --- | IT116P | OOP 6 - INTRODUCTION TO MOBILE PROGRAMMING (PAIRED) | 3.0  | 4.5  | 3.0  | IT112P-2 |  NONE | CIT |
|   |   |   | **Total** | **12.0**  | **4.5** | **9.0**  |   |   |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | *\*PE, NSTP, VE and CORRELATION units are not considered in the computation of TWA and maximum load per term.* |
| **TOTAL NO. OF UNITS: 197.0** |  |  |  |  |  |  |
| **LESS NON-ACADEMIC UNITS: 177.0** |  |  |  |  |  |  |