­BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY

**RAFIE T. LUARTES**

First Year - First Semester

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| CODE | DESCRIPTIVE TITLE OF SUBJECT | LECTURE HOURS | LAB. HOURS | CREDIT UNITS | PRE-REQUISITE |
| \_\_\_\_\_\_\_ENG 101A | Communication Arts and Skills in English I | 54 |  | 3 | NONE |
| \_\_\_\_\_\_\_FIL 1 | Komunikasyon sa Akademikong Filipino | 54 |  | 3 | NONE |
| \_\_\_\_\_\_\_MATH 1 | College Algebra | 54 |  | 3 | NONE |
| \_\_\_\_\_\_\_ACCT 1A | Elementary Accounting I | 44 | 10 | 3 | NONE |
| \_\_\_\_\_\_\_TYPE | Basic Keyboarding | 27 | 27 | 3 | NONE |
| \_\_\_\_\_\_\_IT 1 | Fundamentals of Information and Communications Technology | 36 | 54 | 3 | NONE |
| \_\_\_\_\_\_\_PROG 1 | Fundamentals of Problem Solving and Programming I | 36 | 54 | 3 | NONE |
| \_\_\_\_\_\_\_PE 1 | Physical Fitness | 36 |  | (2) | NONE |
| \_\_\_\_\_\_\_NSTP 11 | National Service Training Program I | 36 |  | (3) | NONE |
| **Total Units** |  | | **21** |

First Year - Second Semester

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| CODE | TITLE | LECTURE HOURS | LAB. HOURS | CREDIT UNITS | PRE-REQUISITE |
| \_\_\_\_\_\_\_ENG 101B | Communication Arts and Skills in English II | 54 |  | 3 | ENG 101A |
| \_\_\_\_\_\_\_FIL 2 | Pagbasa at Pagsulat Tungo sa Pananaliksik | 54 |  | 3 | FIL 1 |
| \_\_\_\_\_\_\_MATH 2 | Trigonometry | 54 |  | 3 | MATH 1 |
| \_\_\_\_\_\_\_CS 4 | Discreet Structures | 54 |  | 3 | MATH 1 |
| \_\_\_\_\_\_\_PROG 2 | Computer Programming II | 36 | 54 | 3 | PROG 1 |
| \_\_\_\_\_\_\_IT 2 | Integrated Application Software | 36 | 54 | 3 | IT 1 |
| \_\_\_\_\_\_\_IT 3 | Hardware and Software Installation and Maintenance | 36 | 54 | 3 | IT 1 |
| \_\_\_\_\_\_\_PE 2 | Rhytmic Activities | 36 |  | (2) | PE 1 |
| \_\_\_\_\_\_\_NSTP 12 | National Service Training Program II | 36 |  | (3) | NSTP 11 |
| **Total Units** |  | | **18** |

Second Year - First Semester

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| CODE | TITLE | LECTURE HOURS | LAB. HOURS | CREDIT UNITS | PRE-REQUISITE |
| \_\_\_\_\_\_\_ENG 102 | Speech and Oral Communication Skills | 54 |  | 3 | ENG 101B |
| \_\_\_\_\_\_\_STAT 1 | Introduction to Statistics | 54 |  | 3 | NONE |
| \_\_\_\_\_\_\_HIST | Philippine History with Politics and Governance | 54 |  | 3 | NONE |
| \_\_\_\_\_\_\_SCL 1 | General Psychology and Drug Education | 54 |  | 3 | NONE |
| \_\_\_\_\_\_\_PROG 3 | Computer Programming III | 36 | 54 | 3 | PROG 2 |
| \_\_\_\_\_\_\_CS 8 | Computer Organization and Assembly Language | 36 | 54 | 3 | PROG 2 |
| \_\_\_\_\_\_\_PROG 5 | Object-Oriented Programming | 36 | 54 | 3 | PROG 2 |
| \_\_\_\_\_\_\_IT 4 | Data Communication and Networking | 36 | 54 | 3 | PROG 2 |
| \_\_\_\_\_\_\_PE 3 | Individual/Dual Sports | 36 |  | (2) | PE 2 |
| **Total Units** |  | | **24** |

Second Year - Second Semester

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| CODE | TITLE | LECTURE HOURS | LAB. HOURS | CREDIT UNITS | PRE-REQUISITE |
| \_\_\_\_\_\_\_SCL 1 | College Physics I | 36 | 54 | 3 | MATH 2 |
| \_\_\_\_\_\_\_ECO 1 | Introduction to Economics with Land Reform and Taxation | 54 |  | 3 | NONE |
| \_\_\_\_\_\_\_SCL 3 | Philippine Government & Constitution with Human Rights | 54 |  | 3 | SCL 1 |
| \_\_\_\_\_\_\_BA 1 | Management Principles | 54 |  | 3 | NONE |
| \_\_\_\_\_\_\_IT 5 | Database Management System I | 36 | 54 | 3 | PROG 1 |
| \_\_\_\_\_\_\_CS 10 | Operating System Application | 36 | 54 | 3 | IT 2 |
| \_\_\_\_\_\_\_IT 41 | Network Administration | 36 | 54 | 3 | IT 3 |
| \_\_\_\_\_\_\_CS 2 | Data and File Structures | 44 | 10 | 3 | PROG 1 |
| \_\_\_\_\_\_\_PE 4 | Group/Team Sports | 36 |  | (2) | PE 3 |
| **Total Units** |  | | **24** |

Third Year - First Semester

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| --- | --- | --- | --- | --- | --- |
| CODE | TITLE | LECTURE HOURS | LAB. HOURS | CREDIT UNITS | PRE-REQUISITE |
| \_\_\_\_\_\_\_SCL 2 | College Physics II | 36 | 54 | 3 | SCL 1 |
| \_\_\_\_\_\_\_NS 3 | Ecology | 54 |  | 3 | NONE |
| \_\_\_\_\_\_\_IT 8 | Technical Documentation and Presentation Skills in ICT | 54 |  | 3 | ENG 102 |
| \_\_\_\_\_\_\_PROG 7 | Advance Programming | 36 | 54 | 3 | PROG 5 |
| \_\_\_\_\_\_\_IT 9 | Multimedia Systems and Technology | 36 | 54 | 3 | NONE |
| \_\_\_\_\_\_\_IT 6 | Database Management System II | 36 | 54 | 3 | IT 5 |
| \_\_\_\_\_\_\_IT 7 | Database Administration | 36 | 54 | 3 | IT 5 |
| \_\_\_\_\_\_\_RM | Research Methodology | 54 |  | 3 | AT 1, ENG 10 | |
| \_\_\_\_\_\_\_CS 11 | Complier Design | 36 | 54 | 3 | NONE |
| **Total Units** |  | | **27** |

Third Year - Second Semester

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| CODE | TITLE | LECTURE HOURS | LAB. HOURS | CREDIT UNITS | PRE-REQUISITE |
| \_\_\_\_\_\_\_LOG | Logic | 54 |  | 3 | NONE |
| \_\_\_\_\_\_\_TQM 2 | Total Quality Management and the I.S.O. | 54 |  | 3 | BA 1 |
| \_\_\_\_\_\_\_HUM 1 | Art, Man and Society | 54 |  | 3 | NONE |
| \_\_\_\_\_\_\_CS 9 | Software Engineering | 36 | 54 | 3 | CS 1 |
| \_\_\_\_\_\_\_PROG 6 | Web Development and Programming | 36 | 54 | 3 | PROG 3 |
| \_\_\_\_\_\_\_CS 3 | Systems Analysis and Design | 36 | 54 | 3 | CS 2 |
| \_\_\_\_\_\_\_IT 10 | Issues and Principle of IT Security | 36 | 54 | 3 | NONE |
| \_\_\_\_\_\_\_ELT 1 | Fundamentals of Electronics and Electricity | 36 | 54 | 3 | NONE |
| \_\_\_\_\_\_\_FOLA 1 | Foreign Language: Spanish | 54 |  | 3 | NONE |
| **Total Units** |  | | **27** |

Summer

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| CODE | TITLE | LECTURE HOURS | LAB. HOURS | CREDIT UNITS | PRE-REQUISITE |
| \_\_\_\_\_\_\_BA 38 | Professional Ethics | 54 |  | 3 | NONE |
| \_\_\_\_\_\_\_BA 47 | Technology-Based Entrepreneurship | 54 | 36 | 3 | NONE |
| \_\_\_\_\_\_\_IT 11 | Project Management Information Systems | 54 |  | 3 | NONE |
| **Total Units** |  | | **9** |

Fourth Year - First Semester

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| CODE | TITLE | LECTURE HOURS | LAB. HOURS | CREDIT UNITS | PRE-REQUISITE |
| \_\_\_\_\_\_\_RC | Life and Works of Rizal | 54 |  | 3 | NONE |
| \_\_\_\_\_\_\_LIT 2 | World Literature | 54 |  | 3 | NONE |
| \_\_\_\_\_\_\_CS 73 | Capstone Project | 50 | 4 | 3 | CS 3 |
| \_\_\_\_\_\_\_IT 12 | Mobile and Network Applications | 54 | 36 | 3 | ELT 1 |
| \_\_\_\_\_\_\_ACCT 9 | Management Accounting | 50 | 4 | 3 | ACCT 1 |
| **Total Units** |  | | **15** |

Fourth Year - Second Semester

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| CODE | TITLE | LECTURE HOURS | LAB. HOURS | CREDIT UNITS | PRE-REQUISITE |
| \_\_\_\_\_\_\_OJT | Internship | 486 | | 9 | all major subjects |
|  | **Total Units** |  | | **9** |