Course Checklist

First Year - First Semester

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Course No. | | Descriptive Title | Lec | Lab | Units | Pre-  requisite | Co requisites |
|  | Theo 1 | I Believe | 3 |  | 3 | None |  |
|  | Engl 1 | Communication Arts I | 3 |  | 3 | None |  |
|  | Fil 1 | Komunikasyon sa Akademikong Filipino | 3 |  | 3 | None |  |
|  | Hist 1 | Philippine History | 3 |  | 3 | None |  |
|  | Math 1A | College Algebra | 3 |  | 3 | None |  |
|  | Math 2A | Plane and Spherical Trigonometry | 3 |  | 3 | None |  |
|  | IT 111 | Information Technology Fundamentals I | 2 |  | 2 | None | IT 111 |
|  | IT 111L | Information Technology Fundamentals (Lab) |  | 1 | 1 | None |  |
|  | IT 112 | Programming Fundamentals I | 2 |  | 2 | None | IT 112 |
|  | IT 112L | Programming Fundamentals (Lab) |  | 1 | 1 | None |  |
|  | PE 1 | Physical Fitness | 2 |  | 2 | None |  |
| **Total** | | | 24 | 2 | 26 |  |  |

First Year - Second Semester

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Course No. | | Descriptive Title | Lec | Lab | Units | Pre-  requisite | Co requisites |
|  | Theo 2 | Believing into Discipleship | 3 |  | 3 | Theo 1 |  |
|  | Engl 2 | Communication Arts II | 3 |  | 3 | Engl 1 |  |
|  | Fil 2 | Pagbasa at Pagsulat Tungo sa Pananaliksik | 3 |  | 3 | Fil 1 |  |
|  | Philos 1 | Logic | 3 |  | 3 | None |  |
|  | Math 3B | Analytic Geometry | 4 |  | 4 | Math 1A, Math 2A |  |
|  | Chem 1A | General and Inorganic Chemistry I (Lec) | 3 |  | 3 | None |  |
|  | Chem 1AL | General and Inorganic Chemistry I (Lab) |  | 1 | 1 | None |  |
|  | IT 121 | Information Technology Fundamentals II | 2 |  | 2 | IT 111 |  |
|  | IT 121L | Information Technology Fundamentals II (Lab) |  | 1 | 1 |  | IT 121 |
|  | IT 122 | Programming Fundamentals II | 2 |  | 2 | IT 112 |  |
|  | IT 122L | Programming Fundamentals II (Lab) |  | 1 | 1 |  | IT 122 |
|  | PE 2 | Rhythmic Activities | 2 |  | 2 | PE1 |  |
| **Total** | | | 25 | 2 | 28 |  |  |

First Year - Summer

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Course No. | | Descriptive Title | Lec | Lab | Units | Pre-  requisite | Co requisites |
|  | NSTP-WTS 1 | National Service Training Program I | 3 |  | 3 | None |  |
|  | IT 131 | Computer Architecture | 2 |  | 2 | It 121 |  |
|  | IT 131L | Computer Architecture (Lab) |  | 1 | 1 | It 121L |  |
|  | IT 132 | Information System Fundamentals | 3 |  | 3 | It 111, IT 121 |  |
| **Total** | | | 8 | 1 | 9 |  |  |

Second Year - First Semester

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Course No. | | Descriptive Title | Lec | Lab | Units | Pre-  requisite | Co requisites |
|  | Theo 3 | Discipleship in Community | 3 |  | 3 | Theo 2 |  |
|  | Engl 4A | Effective Communication with Phonetics | 3 |  | 3 | Engl 2 |  |
|  | Philos 2 | Ethics | 3 |  | 3 | Philos 1 |  |
|  | Socio 1 | Society and Culture with Family Planning | 3 |  | 3 | None |  |
|  | Hist 2 | Life and Works of Rizal | 3 |  | 3 | Hist 1 |  |
|  | Math 4 | Mathematical Analysis for Business | 3 |  | 3 | Math 1A, Math 2A |  |
|  | IT 211 | Data Structure with Algorithm Development | 2 |  | 2 | IT 122 |  |
|  | IT 211L | Data Structure with Algorithm Development (Lab) |  | 1 | 1 | IT 122, IT 122L | IT 211 |
|  | PE 3 | Individual / Dual Sports and Games | 2 |  | 2 | PE 1 |  |
| **Total** | | | 22 | 1 | 23 |  |  |

Second Year – Second Semester

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Course No. | | Descriptive Title | Lec | Lab | Units | Pre-  requisite | Co requisites |
|  | Theo 4 | Living Like Jesus | 3 |  | 3 | Theo 3 |  |
|  | Engl 7 | Technical Writing | 3 |  | 3 | Engl 2 |  |
|  | Econ 1 | Basic Economics with Taxation and Agrarian Reform | 3 |  | 3 | None |  |
|  | Psycho 1 | General Psychology with Drug Prevention | 3 |  | 3 | None |  |
|  | Phys 1A | College Physics I (Lec) | 3 |  | 3 | Math 1A, Math 2A |  |
|  | Phys 1AL | College Physics I (Lab) |  | 1 | 1 | Math 1A, Math 2A |  |
|  | IT 221 | Operating Systems | 2 |  | 2 | IT 211, IT 211L |  |
|  | IT 221L | Operating Systems (Lab) |  | 1 | 1 | IT 211L | IT 222 |
|  | PE 4 | Team Sports and Games | 2 |  | 2 | PE 1 |  |
| **Total** | | | 19 | 2 | 21 |  |  |

Second Year - Summer

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Course No. | | Descriptive Title | Lec | Lab | Units | Pre-  requisite | Co requisites |
|  | NSTP – CWTS 2 | National Service Training Program II | 3 |  | 3 | NSTP – CWTS 1 |  |
|  | IT 211 | Discrete Mathematics | 3 |  | 3 | Philos 1, Math 1a |  |
| **Total** | | | 6 |  | 6 |  |  |

Third Year - First Semester

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Course No. | | Descriptive Title | Lec | Lab | Units | Pre-  requisite | Co requisites |
|  | IT 311 | Software Modelling and Analysis | 3 |  | 3 | 3rd year standing |  |
|  | IT 312 | Programming Applications (Lec) | 2 |  | 2 | IT 211, IT 211L |  |
|  | IT 312L | Programming Applications (Lab) |  | 1 | 1 | IT 211L | IT 312 |
|  | IT 314 | Database Management Systems (Lec) | 2 |  | 2 | IT 322, IT 221 | IT 311, IT 312 |
|  | IT 314L | Database Management Systems (Lab) |  | 1 | 1 |  | IT 314 |
|  | IT 315 | Financial Systems | 3 |  | 3 | 3rd year standing |  |
|  |  | ITE Elective | 3 |  | 3 | 3rd year standing |  |
|  |  | Free Elective | (3)(2) | (1) | 3 | 3rd year standing |  |
| **Total** | | | 13(3)(2) | 2(1) | 18 |  |  |

Third Year - Second Semester

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Course No. | | Descriptive Title | Lec | Lab | Units | Pre-  requisite | Co requisites |
|  | IT 322 | Network Technology w/ Administration and Maintenance (Lec) | 2 |  | 2 | 3rd year standing |  |
|  | IT 322L | Network Technology w/ Administration and Maintenance (Lab) |  | 1 | 1 |  | IT 322 |
|  | IT 323 | Integrative Programming and Technologies (Lec) | 2 |  | 2 | 3rd year standing |  |
|  | IT 323L | Integrative Programming and Technologies (Lab) |  | 1 | 1 |  | IT 323 |
|  | IT 324 | Web Systems and Technologies (Lec) | 2 |  | 2 | 3rd year standing |  |
|  | IT 324L | Web Systems and Technologies (Lab) |  | 1 | 1 |  | IT 324 |
|  | IT 412a | Practicum 1 | 3 |  | 3 | 3rd year standing |  |
|  |  | ITE Elective | 3 |  | 3 | 3rd year standing |  |
|  |  | Free Elective | (3)(2) | (1) | 3 | 3rd year standing |  |
| **Total** | | | 12(3)(2) | 3(1) | 18 |  |  |

Third Year - Summer

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Course No. | | Descriptive Title | Lec | Lab | Units | Pre-  requisite | Co requisites |
|  | IT 412b | Practicum 2 | 6 |  | 6 | 4th year standing |  |
| **Total** | | | 6 |  | 6 |  |  |

Fourth Year - First Semester

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Course No. | | Descriptive Title | Lec | Lab | Units | Pre-  requisite | Co requisites |
|  | IT 411 | IT Project I | 3 |  | 3 | 4th year standing |  |
|  | IT 325N | Software Engineering Fundamentals | 3 |  | 3 | IT 311 |  |
|  | IT 422 | Social and Professional Issues in Information Technology | 3 |  | 3 | 4th year standing |  |
|  | IT 424 | Field Trips and Seminars |  | 3 | 3 | 4th year standing |  |
|  | Math 7aN | Fundamentals of Probability and Statistics | 3 |  | 3 | 4th year standing |  |
|  |  | ITE Elective | (3)(2) | (1) | 3 | 4th year standing |  |
| **Total** | | | 12(3)(2) | (1) | 18 |  |  |

Fourth Year - Second Semester

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Course No. | | Descriptive Title | Lec | Lab | Units | Pre-  requisite | Co requisites |
|  | IT 421 | IT Project II | 3 |  | 3 | IT 411 |  |
|  | IT 423 | Information Systems Planning/ Information Resources Management | 3 |  | 3 | 4th year standing |  |
|  | Polit SC 1N | Politics and Governance with Philippine Constitution | 3 |  | 3 | None |  |
|  |  | ITE Elective | (3)(2) | (1) | 3 | 4th year standing |  |
|  |  | Free Elective | 3 |  | 3 | 4th year standing |  |
| **Total** | | | 12(3)(2) | (1) | 15` |  |  |

Fourth Year - Second Semester

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Course No. | | Descriptive Title | Lec | Lab | Units | Pre-  requisite | Co requisites |
|  | IT 421 | IT Project II | 3 |  | 3 | IT 411 |  |
|  | IT 423 | Information Systems Planning/ Information Resources Management | 3 |  | 3 | 4th year standing |  |
|  | Polit SC 1N | Politics and Governance with Philippine Constitution | 3 |  | 3 | None |  |
|  |  | ITE Elective | (3)(2) | (1) | 3 | 4th year standing |  |
|  |  | Free Elective | 3 |  | 3 | 4th year standing |  |
| **Total** | | | 12(3)(2) | (1) | 15` |  |  |

ITE Electives: Advanced Topics

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Course No. | | Descriptive Title | Lec | Lab | Units | Pre-  requisite |
|  | IT 001 | Object Oriented Programming | 2 | 1 | 3 | 3rd year standing |
|  | IT 002 | Artificial Intelligence | 3 |  | 3 | 3rd year standing |
|  | IT 003 | Neural Networks | 3 |  | 3 | 3rd year standing |
|  | IT 004 | Knowledge Base and Expert Systems | 3 |  | 3 | 3rd year standing |
|  | IT 005 | Advanced Database Management Systems | 3 |  | 3 | 3rd year standing |
|  | IT 006 | Robotics | 2 | 1 | 3 | 3rd year standing |
|  | IT 007 | Distributed Systems | 2 | 1 | 3 | 3rd year standing |
|  | IT 008 | E-Commerce | 2 | 1 | 3 | 3rd year standing |
|  | IT 009 | Information Assurance and Security | 3 |  | 3 | 3rd year standing |
|  | IT 010 | Information Management Concepts and Fundamentals | 3 |  | 3 | 3rd year standing |
|  | IT 011 | System Integration and Architecture | 3 |  | 3 | 3rd year standing |

ITE Electives: Multimedia Systems

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Course No. | | Descriptive Title | Lec | Lab | Units | Pre-  requisite |
|  | IT 012 | Multimedia Systems | 2 | 1 | 3 | 3rd year standing |
|  | IT 013 | Data Mining | 2 | 1 | 3 | 3rd year standing |
|  | IT 014 | Data Warehousing | 2 | 1 | 3 | 3rd year standing |
|  | IT 015 | Graphics Technology and Animation | 2 | 1 | 3 | 3rd year standing |
|  | IT 016 | Games Technology | 2 | 1 | 3 | 3rd year standing |
|  | IT 017 | Mobile Technology | 2 | 1 | 3 | 3rd year standing |
|  | IT 018 | Human Computer Interaction | 3 |  | 3 | 3rd year standing |
|  | IT 019 | Digital Arts |  | 3 | 3 | 3rd year standing |
|  | IT 020 | Animation |  | 3 | 3 | 3rd year standing |

ITE Electives: Certification

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Course No. | | Descriptive Title | Lec | Lab | Units | Pre-  requisite |
|  | IT 021 | Information Technology Certification Review | 3 |  | 3 | 3rd year standing |
|  | IT 022 | Programming Certification Review | 1 | 2 | 3 | 3rd year standing |
|  | IT0 23 | Technology Certification | 1 | 2 | 3 | None |

Free Electives

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Course No. | | Descriptive Title | Lec | Lab | Units | Pre-  requisite |
|  | ITF 001 | Foreign Language | 3 |  | 3 | None |
|  | ITF 002 | Personality Development | 3 |  | 3 | None |
|  | ITF 003 | Video Production and Editing | 3 |  | 3 | None |
|  | ITF 004 | Technology Presentation and Communication | 3 |  | 3 | Engl 7 , Engl 4a |