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| **BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING CURRICULUM (B.S. IE)** |
| *(Curriculum applicable to students who entered as freshmen beginning school year 2009-2010)* |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 1 | 1 | DRAW021W | ENGINEERING DRAWING 1 (DRAW) | - | 3.0  | 1.0  |   |   |  |
| 1 | 1 | ENG011 | ENGLISH FOR ACADEMIC STUDIES 1 | 3.0  | - | 2.0  |   |   |  |
| 1 | 1 | IT001L | COMPUTER FUNDAMENTALS 1 (LAB) | - | 3.0  | 1.0  |   |   |  |
| 1 | 1 | MATH011 | ALGEBRA | 4.5  | - | 3.0  |   |   |  |
| 1 | 1 | PE021 | PHYSICAL EDUCATION 1 | - | 2.5  | 1.5  |   |   |  |
| 1 | 1 | VE021 | VALUES EDUCATION 1 | 1.5  | - | 1.0  |   |   |  |
| 1 | 1 | NSTP011 | NATIONAL SERVICE TRAINING PROGRAM 1 | - | 3.0  | 2.0  |   |   |  |
| 1 | 1 |   | SOCIAL SCIENCE 1 | 4.5  | - | 3.0  |   |   |  |
| 1 | 1 |   | HUMANITIES 1 | 4.5  | - | 3.0  |   |   |  |
|  |  |  | **Total** | **18.0**  | **11.5**  | **17.5\*** |  |  |  |
|  |  |  |  |  |  | 0.0  |  |  |  |
|  |  |  |  |  |  | 0.0  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 1 | 2 | DRAW022W | ENGINEERING DRAWING 2 (DRAW) | - | 3.0  | 1.0  | DRAW021W |   |  |
| 1 | 2 | ENG012 | ENGLISH FOR ACADEMIC STUDIES 2 | 3.0  | - | 2.0  | ENG011 |   |  |
| 1 | 2 | IT002L | COMPUTER FUNDAMENTALS 2 (LAB) | - | 3.0  | 1.0  | IT001L |   |  |
| 1 | 2 | MATH011-12 | ALGEBRA 2 | 3.0  | - | 2.0  | MATH011 |   |  |
| 1 | 2 | MATH012 | PLANE AND SPHERICAL TRIGONOMETRY | 4.5  | - | 3.0  | MATH011 |   |  |
| 1 | 2 | PE022 | PHYSICAL EDUCATION 2 | - | 2.5  | 1.5  |   |   |  |
| 1 | 2 | NSTP012 | NATIONAL SERVICE TRAINING PROGRAM 2 | - | 3.0  | 2.0  | NSTP011 |   |  |
| 1 | 2 |   | SOCIAL SCIENCE 2 | 4.5  | - | 3.0  |   |   |  |
| 1 | 2 |   | HUMANITIES 2 | 4.5  | - | 3.0  |   |   |  |
|  |  |  | **Total** | **19.5**  | **11.5**  | **18.5\*** |  |  |  |
|  |  |  |  |  |  | 0.0  |  |  |  |
|  |  |  |  |  |  | 0.0  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 1 | 3 | DRAW023L | COMPUTER-AIDED DRAFTING AND DESIGN (LAB) | - | 3.0  | 1.0  | DRAW022W |   |  |
| 1 | 3 | ENG013 | ENGLISH FOR ACADEMIC STUDIES 3 | 3.0  | - | 2.0  | ENG012 |   |  |
| 1 | 3 | MATH013 | ANALYTIC GEOMETRY | 4.5  | - | 3.0  | MATH012 |   |  |
| 1 | 3 | MATH014 | SOLID MENSURATION | 3.0  | - | 2.0  | MATH011-12 |   |  |
| 1 | 3 | MATH021 | CALCULUS 1 | 4.5  | - | 3.0  | MATH011-12,MATH012 | MATH013 |  |
| 1 | 3 | PE023 | PHYSICAL EDUCATION 3 | - | 2.5  | 1.5  |   |   |  |
| 1 | 3 | NSTP013 | NATIONAL SERVICE TRAINING PROGRAM 3 | - | 3.0  | 2.0  | NSTP011 |   |  |
| 1 | 3 |   | SOCIAL SCIENCE 3 | 4.5  | - | 3.0  |   |   |  |
|  |  |  | **Total** | **19.5**  | **8.5**  | **17.5\*** |  |  |  |
|  |  |  |  |  |  | 0.0  |  |  |  |
|  |  |  |  |  |  | 0.0  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 2 | 1 | CHM021 | GENERAL CHEMISTRY 1 | 3.0  | - | 2.0  |   |   |  |
| 2 | 1 | CHM021L | GENERAL CHEMISTRY 1 (LAB) | - | 3.0  | 1.0  |   | CHM011 |  |
| 2 | 1 | FIL011 | FILIPINO 1 | 3.0  | - | 2.0  |   |   |  |
| 2 | 1 | MATH022 | CALCULUS 2 | 4.5  | - | 3.0  | MATH021 |   |  |
| 2 | 1 | PHY021 | PHYSICS 1 | 4.5  | - | 3.0  | MATH021 |   |  |
| 2 | 1 | PHY021L | PHYSICS 1 (LAB) | - | 3.0  | 1.0  | MATH021 | PHY021 |  |
| 2 | 1 | PE024 | PHYSICAL EDUCATION 4 | - | 2.5  | 1.5  | PE023 |   |  |
| 2 | 1 |   | HUMANITIES 3 | 4.5  | - | 3.0  |   |   |  |
|  |  |  | **Total** | **19.5**  | **8.5**  | **16.5\*** |  |  |  |
|  |  |  |  |  |  | 0.0  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 2 | 2 | CHM022 | GENERAL CHEMISTRY 2 | 3.0  | - | 2.0  | CHM021 |   |  |
| 2 | 2 | CHM022L | GENERAL CHEMISTRY 2 (LAB) | - | 3.0  | 1.0  | CHM021,CHM021L | CHM022 |  |
| 2 | 2 | FIL012 | FILIPINO 2 | 3.0  | - | 2.0  | FIL011 |   |  |
| 2 | 2 | MATH023 | CALCULUS 3 | 4.5  | - | 3.0  | MATH022 |   |  |
| 2 | 2 | PHY022 | PHYSICS 2 | 4.5  | - | 3.0  | PHY021 |   |  |
| 2 | 2 | PHY022L | PHYSICS 2 (LAB) | - | 3.0  | 1.0  | PHY021,PHY021L | PHY022 |  |
| 2 | 2 | PE025 | PHYSICAL EDUCATION 5 | - | 2.5  | 1.5  |   |   |  |
| 2 | 2 | CS101L | PROGRAMMING FUNDAMENTALS 1 (LAB) | - | 3.0  | 1.0  | IT002L |   |  |
|  |  |  | **Total** | **15.0**  | **11.5**  | **14.5\*** |  |  |  |
|  |  |  |  |  |  | 0.0  |  |  |  |
|  |  |  |  |  |  | 0.0  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 2 | 3 | CHM023 | GENERAL CHEMISTRY 3 | 3.0  | - | 2.0  | CHM022 |   |  |
| 2 | 3 | CHM023L | GENERAL CHEMISTRY 3 (LAB) | - | 3.0  | 1.0  | CHM022,CHM022L | CHM023 |  |
| 2 | 3 | FIL013 | FILIPINO 3 | 3.0  | - | 2.0  | FIL012 |   |  |
| 2 | 3 | MATH025 | DIFFERENTIAL EQUATIONS | 4.5  | - | 3.0  | MATH023 |   |  |
| 2 | 3 | PHY023 | PHYSICS 3 | 4.5  | - | 3.0  | PHY022 |   |  |
| 2 | 3 | PHY023L | PHYSICS 3 (LAB) | - | 3.0  | 1.0  | PHY022,PHY022L | PHY023 |  |
| 2 | 3 | PE026 | PHYSICAL EDUCATION 6 | - | 2.5  | 1.5  | PE025 |   |  |
| 2 | 3 | VE022 | VALUES EDUCATION 2 | 1.5  | - | 1.0  | VE021 |   |  |
| 2 | 3 | CS102L | PROGRAMMING FUNDAMENTALS 2 (LAB) | - | 3.0  | 1.0  | CS101L |   |  |
|  |  |  | **Total** | **16.5**  | **11.5**  | **15.5\*** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 2 | 4 | SS014 | JOSE RIZAL AND THE DEVELOPMENT OF FILIPINO NATIONALISM | 4.5  | - | 3.0  |   |   |  |
| 2 | 4 |   | SOCIAL SCIENCE 4 | 4.5  | - | 3.0  |   | SS014 |  |
|  |  |  | **Total** | **9.0**  | **0.0**  | **6\*** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 3 | 1 | EECO130 | ENGINEERING ECONOMY | 4.5  | - | 3.0  |   |   |  |
| 3 | 1 | MATH 110 | PROBABILITY AND STATISTICS | 4.5  | - | 3.0  | MATH022 |   |  |
| 3 | 1 | MATH 115 | ADVANCED ENGINEERING MATHEMATICS | 4.5  | - | 3.0  | MATH025 |   |  |
| 3 | 1 | IE 198-1 | IE CORRELATION 1 | - | 3.0  | 1.0  | CHM023,MATH025,PHY023 |   |  |
| 3 | 1 | SAF101 | SAFETY MANAGEMENT | 1.5  | - | 1.0  | 3RD YEAR STANDING |   |  |
| 3 | 1 | MEC101 | STATICS OF RIGID BODIES | 4.5  | - | 3.0  | MATH022,PHY022 |   |  |
|  |  |  | **Total** | **19.5**  | **3.0**  | **14\*** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 3 | 2 | IE 101 | ADVANCED STATISTICS | 4.5  | - | 3.0  | MATH 110 |   |  |
| 3 | 2 | MEC 102 | DYNAMICS OF RIGID BODIES | 3.0  | - | 2.0  | MEC101 |   |  |
| 3 | 2 | ACT 123 | COST ACCOUNTING | 4.5  | - | 3.0  |   |   |  |
| 3 | 2 | IE 102 | INDUSTRIAL MATERIALS AND PROCESSES | 3.0  | - | 2.0  | DRAW021W,CHM022,PHY022 |   |  |
| 3 | 2 | IE102L | INDUSTRIAL MATERIALS AND PROCESSES (LAB) | - | 4.5  | 1.0  | DRAW021W,CHM022,PHY022 | IE 102 |  |
| 3 | 2 | IE 101 | STATISTICAL ANALYSIS | 4.5  | - | 3.0  | MATH 110 |   |  |
| 3 | 2 | ECE121P | INTRODUCTION TO MATLAB (PAIRED) | 1.5  | 3.0  | 1.0  |   |   |  |
|  |  |  | **Total** | **21.0**  | **7.5**  | **15\*** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 3 | 3 | MEC 103 | MECHANICS OF DEFORMABLE BODIES | 4.5  | - | 3.0  | MEC101 |   |  |
| 3 | 3 | RES 101P | METHODS OF RESEARCH (PAIRED) | 1.5  | 4.5  | 2.0  | MATH 110 |   |  |
| 3 | 3 | IE 111 | METHODS STUDY 1 | 3.0  | - | 2.0  | MATH 110,IE 102,EMGT 101 |   |  |
| 3 | 3 | IE 111L | METHODS STUDY 1 (LAB) | - | 4.5  | 1.0  | MATH 110,IE 102,EMGT 101 | IE 111 |  |
| 3 | 3 | ACT 154 | MANAGERIAL ACCOUNTING | 4.5  | - | 3.0  | ACT 123 |   |  |
| 3 | 3 | IE103 | INDUSTRIAL QUALITY CONTROL | 4.5  | - | 3.0  | IE 101 |   |  |
| 3 | 3 | VE 023 | VALUES EDUCATION 3 | 1.5  | - | 1.0  | VE022 |   |  |
|  |  |  | **Total** | **19.5**  | **9.0**  | **15\*** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 4 | 1 | IE 112 | METHODS STUDY 2 | 3.0  | - | 2.0  | IE 111 |   |  |
| 4 | 1 | IE 112L | METHODS STUDY 2 (LAB) | - | 4.5  | 1.0  | IE 111,IE 111L | IE 112 |  |
| 4 | 1 | ECO103 | PRINCIPLES OF ECONOMICS | 4.5  | - | 3.0  |   |   |  |
| 4 | 1 | IE 121 | OPERATIONS RESEARCH 1 | 4.5  | - | 3.0  | MATH 115 |   |  |
| 4 | 1 | ENG 019 | WRITING AT THE WORKPLACE (EWP-1) | 4.5  | - | 3.0  | ENG013 |   |  |
| 4 | 1 | IE 200 | IE THESIS 1 | - | 3.0  | 1.0  | RES 101P |   |  |
|  |  |  | **Total** | **16.5**  | **7.5**  | **13\*** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 4 | 2 | IE 113 | STATISTICAL QUALITY CONTROL | 4.5  | - | 3.0  | RES 101P,IE 112,IE 112L |   |  |
| 4 | 2 | IE 114 | IE COMPUTER APPLICATIONS  | - | 4.5  | 1.0  | EECO130,RES 101P,IE 112,IE 112L |   |  |
| 4 | 2 | ENG 020 | SPEAKING AT THE WORKPLACE (EWP-2) | 4.5  | - | 3.0  | ENG 019 |   |  |
| 4 | 2 | IE 115 | ERGONOMICS | 3.0  | - | 2.0  | IE 112 |   |  |
| 4 | 2 | IE 115L | ERGONOMICS (LAB) | - | 4.5  | 1.0  | IE 112,IE 112L | IE 115 |  |
| 4 | 2 | IE 122 | OPERATIONS RESEARCH 2 | 4.5  | - | 3.0  | IE 121 |   |  |
| 4 | 2 | IE 200-1 | IE THESIS 2 | - | 3.0  | 1.0  | IE 200 |   |  |
|  |  |  | **Total** | **16.5**  | **12.0**  | **14\*** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 4 | 3 | IE 131 | PRODUCTION SYSTEMS | 4.5  | - | 3.0  | IE 121,IE 113 |   |  |
| 4 | 3 | IE 141 | SYSTEMS SIMULATION | 1.5  | - | 1.0  | IE 122,IE 113 |   |  |
| 4 | 3 | IE 141L | SYSTEMS SIMULATION (LAB) | - | 4.5  | 1.0  | IE 122,IE 113 | IE 141 |  |
| 4 | 3 | IE 200-2 | IE THESIS 3 | - | 3.0  | 1.0  | IE 200-1 |   |  |
| 4 | 3 | VE 024 | VALUES EDUCATION 4 | 1.5  | - | 1.0  |   |   |  |
| 4 | 3 | IE 198-2 | IE CORRELATION 2 | - | 3.0  | 1.0  | IE 122,IE 198-1 |   |  |
| 4 | 3 |   | IE ELECTIVE 1 | 3.0  | 3.0  | 3.0  |   |   |  |
| 4 | 3 | ENG 021 | READING AT THE WORKPLACE (EWP-3) | 4.5  | - | 3.0  | ENG 019 |   |  |
| 4 | 3 | MATH140 | DISCRETE MATHEMATICS | 4.5  | - | 3.0  | MATH011 |   |  |
|  |  |  | **Total** | **19.5**  | **13.5**  | **17\*** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 5 | 1 | IE 152 | SYSTEMS ENGINEERING | 4.5  | - | 3.0  | 5th Year Standing |   |  |
| 5 | 1 | IE 132 | FACILITIES PLANNING AND DESIGN | 4.5  | - | 3.0  | IE 131 |   |  |
| 5 | 1 | IE 151 | PROJECT FEASIBILITY | 3.0  | - | 2.0  | ACT 154,IE 131 |   |  |
| 5 | 1 | IE 151D | PROJECT FEASIBILITY DESIGN (DESIGN) | - | 4.5  | 1.0  |   |   |  |
| 5 | 1 | MATH160 | NUMERICAL METHODS | 4.5  | - | 3.0  | MATH025 |   |  |
| 5 | 1 |   | IE ELECTIVE 2 | 3.0  | 3.0  | 3.0  |   |   |  |
|  |  |  | **Total** | **19.5**  | **7.5**  | **15\*** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 5 | 2 | IT 122P | INFORMATION SYSTEMS | 3.0  | 4.5  | 3.0  | CS102L,5th Year Standing |   |  |
| 5 | 2 | IE 181 | ENGINEERING VALUES AND ETHICS | 3.0  | - | 2.0  |   |   |  |
| 5 | 2 | EE 111 | BASIC ELECTRICAL ENGINEERING | 4.5  | - | 3.0  | PHY023,PHY023L |   |  |
| 5 | 2 | ME 111 | THERMODYNAMICS 1 | 4.5  | - | 3.0  | MATH025,PHY023,PHY023L |   |  |
| 5 | 2 | IE 198-3 | IE CORRELATION 3 | - | 3.0  | 1.0  | IE 198-2,IE 152 |   |  |
| 5 | 2 |   | IE ELECTIVE 3 | 3.0  | 3.0  | 3.0  |   |   |  |
|  |  |  | **Total** | **18.0**  | **10.5**  | **15\*** |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **Year** | **Term** | **Code** | **Title** | **Lec Hrs** | **Lab Hrs** | **Total Units** | **Prerequisites** | **Co-requisites** | **Servicing College/Dept.** |
| 5 | 3 | EMGT 101 | ENGINEERING MANAGEMENT | 4.5  | - | 3.0  |   |   |  |
| 5 | 3 | EENV 101 | ENVIRONMENTAL ENGINEERING | 4.5  | - | 3.0  | CHM023,PHY023 |   |  |
| 5 | 3 | IE 191F | IE SEMINARS AND PLANT VISITS (FIELD) | - | 4.5  | 1.0  |   |   |  |
| 5 | 3 |   | IE ELECTIVE 4 | 3.0  | 3.0  | 3.0  |   |   |  |
|  |  |  | **Total** | **12.0**  | **7.5**  | **10\*** |  |  |  |
|  |  |  |  |  |  | *\* PE, NSTP, VE and CORRELATION course units are not considered in the computation of TWA and maximum load per term* |
| **TOTAL NO. OF UNITS: 234.0**  |  |  |  |  |  |  |
| **LESS NON-ACADEMIC UNITS: 212.0**  |  |  |  |  |  |  |