

**INDIANA AEROSPACE UNIVERSITY**

IAU Town Center Basak, Kagudoy Rd., Lapu-Lapu City

**BACHELOR OF SECONDARY EDUCATION MAJOR IN MATHEMATICS**

Academic Year 2023-2024

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **FIRST YEAR** | |  |  |  |  |  |
|  | FIRST SEMESTER |  |  |  |  |  | SECOND SEMESTER |  |  |  |  |
| **Subcodes** | **Descriptive Titles** | **Lec** |  | **Units** | **Pre Req** | **Subcodes** | **Descriptive Titles** | **Lec** |  | **Units** | **Pre Req** |
| Gen Ed 1 | The Contemporary World | 3 |  | 3 |  | Gen Ed 6 | Science & Technology & Society | 3 |  | 3 |  |
| Gen Ed 2 | Understanding the Self | 3 |  | 3 |  | Gen Ed 7 | Ethics | 3 |  | 3 |  |
| Gen Ed 3 | Readings in Philippine History | 3 |  | 3 |  | Gen Ed 8 | Environmental Science | 3 |  | 3 |  |
| Gen Ed 4 | Purposive Communication | 3 |  | 3 |  | Gen Ed 9 | Entrepreneurial Mind | 3 |  | 3 |  |
| Gen Ed 5 | Mathematics in the Modern World | 3 |  | 3 |  | Gen Ed 10 | Great Books | 3 |  | 3 |  |
| Ed TTL 1 | Technology for Teaching & Learning 1 | 3 |  | 3 |  | Ed FCL | Facilitating Learner- Centered Teaching | 3 |  | 3 |  |
| Lit 1 | Philippine Literature | 3 |  | 3 |  | Lit 2 | World Literature | 3 |  | 3 | Lit 1 |
| Math + | Math Enhancement | 3 |  | 3 |  | English 1 | English for the Professions | 3 |  | 3 |  |
| Theology 1 | The Commandments and Morals | 1 |  | 1 |  | Theology 2 | The Creed | 1 |  | 1 | Theology 1 |
| PATHFIT1 | Physical Activities Towards Health and Fitness | 2 |  | 2 |  | PATHFIT2 | Exercise Based-Fitness Activities | 2 |  | 2 | PATHFIT1 |
| NSTP 1 | Civil Welfare Training Program 1 | 3 |  | 3 |  | NSTP 2 | Civil Welfare Training Program 2 | 3 |  | 3 | NSTP 1 |
| **Total** |  | **30** |  | **30** |  |  |  | **30** |  | **30** |  |
|  |  |  |  |  | **SECOND YEAR** | |  |  |  |  |  |
|  | FIRST SEMESTER |  |  |  |  |  | SECOND SEMESTER |  |  |  |  |
| **Subcodes** | **Descriptive Titles** | **Lec** |  | **Units** | **Pre Req** | **Subcodes** | **Descriptive Titles** | **Lec** |  | **Units** | **Pre Req** |
| Ed CALL | Child and Adolescent Learners and  Learning Principles | 3 |  | 3 |  | Ed TCC | The Teacher and the Community, School  Culture & Organizational Leadership | 3 |  | 3 |  |
| Ed FSI | Foundation of Special Inclusive  Education | 3 |  | 3 |  | Ed TSC | The Teacher and School Curriculum | 3 |  | 3 |  |
| Ed A1 | Assessment in Learning 1 | 3 |  | 3 |  | Ed A2 | Assessment in Learning 2 | 3 |  | 3 | Ed A1 |
| MA 100 | History of Math | 3 |  | 3 |  | MA 104 | College and Advanced Algebra | 3 |  | 3 |  |
| MA 101 | Logic and Set Theory | 3 |  | 3 |  | MA 105 | Trigonometry | 3 |  | 3 |  |
| MA 102 | Principles & Strategies in Teaching  Math | 3 |  | 3 |  | MA 106 | Elementary Statistics and Probability | 3 |  | 3 |  |
| MA 103 | Technology in Teaching and  Learning Math | 3 |  | 3 |  | MA 107 | Plane and Solid Geometry | 3 |  | 3 |  |
| Gen Ed 11 | Art Appreciation |  |  |  |  | Gen Ed 12 | Rizal’s Life and Works | 3 |  | 3 |  |
| Theology 3 | The Sacraments | 1 |  | 1 | Theology 2 | Theology 4 | Bible Study | 1 |  | 1 | Theology 3 |
| PATHFIT3 | Sports and Management Program | 2 |  | 2 | PATHFIT2 | PATHFIT 4 | Sports Coaching and Sports Officiating | 2 |  | 2 | PATHFIT3 |
| **Total** |  | **27** |  | **27** |  |  |  | **27** |  | **27** |  |
|  |  |  |  |  | **THIRD YEAR** | |  |  |  |  |  |
|  | FIRST SEMESTER |  |  |  |  |  | SECOND SEMESTER |  |  |  |  |
| **Subcodes** | **Descriptive Titles** | **Lec** |  | **Units** | **Pre Req** | **Subcodes** | **Descriptive Titles** | **Lec** |  | **Units** | **Pre Req** |
| Educ 12 | Teaching Profession | 3 |  | 3 |  | MA 114 | Differential Calculus | 3 |  | 3 |  |
| MA 108 | Mathematics & Investments | 3 |  | 3 |  | MA 115 | Instrumentation & Technology in  Math | 3 |  | 3 |  |
| MA 109 | Advanced Statistics | 3 |  | 3 |  | MA 116 | Abstract Algebra | 3 |  | 3 |  |
| MA 110 | Calculus w/ Analytical Geometry | 3 |  | 3 |  | MA 117 | Assessment & Evaluation in Math | 3 |  | 3 |  |
| MA 111 | Problem Solving, Mathematical  Investigation & Modeling | 3 |  | 3 |  | MA 118 | Linear Algebra | 3 |  | 3 |  |
| MA 112 | Number Theory | 3 |  | 3 |  | MA 119 | Integral calculus | 3 |  | 3 |  |
| MA 113 | Modern Geometry | 3 |  | 3 |  | MA 120 | Research Paper in Math | 3 |  | 3 |  |
| Research 1 | Thesis Writing | 3 |  | 3 |  | Elective | Remedial Instruction | 3 |  | 3 |  |
|  |  |  |  |  |  | Ed BEN | Building and Enhancing New  Literacies Across the Curriculum | 3 |  | 3 |  |
| **Total** |  | **24** |  | **24** |  |  |  | **27** |  | **27** |  |
|  |  |  |  |  | **FOURTH YEAR** | |  |  |  |  |  |
|  | FIRST SEMESTER |  |  |  |  |  | SECOND SEMESTER |  |  |  |  |
| **Subcodes** | **Descriptive Titles** | **Lec** |  | **Units Pre Req** | | **Subcodes** | **Descriptive Titles** | **Lec** |  | **Units** | **Pre Req** |
| FS 1 | Field Study 1 | 3 |  | 3 |  | Ed TI | Teaching Internship | 6 |  | 6 |  |
| Fs 2 | Field Study 2 | 3 |  | 3 | FS 1 |  |  |  |  |  |  |
| **Total** |  | **6** |  | **6** |  |  |  | **6** |  | **6** |  |

**Summary**

|  |  |
| --- | --- |
| **First Year** | 30 + 30 = 60 Units |
| **Second Year** | **27 + 27 = 54 Units** |
| **Third Year** | **24 + 247= 51 Units** |
| **Fourth Year** | **6 + 6 = 12 Units** |
| Total | **177 Units** |

1. General Education: 36
2. Professional Education Courses: 42
3. Major/Specialization: 63
4. Mandated Courses: 26
5. Institutional Courses: 10
6. ELective Courses: 3

**Total: 177**