

**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**