**B.S. IN EDUCATION - PHYSICS (Even Year Cohort)**

**Recommended Course Sequence**

**1st Semester (Fall Even Yr.) 2nd Semester (Spr. Odd Yr.)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject** | **No** | **Course** | **Cr** | **Subject** | **No** | **Course** | **Cr** |
| ENGL | 101 | Composition I | 3 | ENGL | 121 | Intro to Literature (LS Humanities) | 3 |
| MATH | 125 | Calculus I – For Phys. &Chem. | 3 | MATH | 126 | Calculus II – For Phys. & Chem. | 3 |
| PHYS | 131 | Phys I Cal–Lecture | 3 | PHYS  | 132 | Phys II Calc – Lecture | 3 |
| PHYS | 141 | Phys I Calc–Lab | 1 | PHYS | 142 | Phys II Calc – Lab | 1 |
| PSYC | 101 | General Psychology | 3 | EDSP | 102 | Educational Psychology | 3 |
| COMM | 103 | Digital Instructional Tech | 3 |  |  | Liberal Studies Fine Arts(1) | 3 |
|  |  |  | **16** |  |  |  | **16** |

**3rd Semester (Fall Odd Yr.) 4th Semester (Spr. Even Yr.)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject** | **No** | **Course** | **Cr** | **Subject** | **No** | **Course** | **Cr** |
| PHYS  | 231 | Electronics | 4 | PHYS | 331 | Modern Physics (W) | 3 |
| MATH | 225 | Calc III – For Phys. & Chem. | 3 | PHYS |  | Physics Elective | 3 |
| CHEM | 111 | General Chemsitry I | 4 | CHEM | 112 | General Chemsitry II | 4 |
| ENGL | 202 | Composition II  | 3 | EDUC | 323 | Learners w/ special needs | 2 |
| HIST  | 19x | History#/##  | 3 | HPED | 143 | Dimensions of Wellness#/## | 3 |
|  |  |  |  |  |  |  |  |
|  |  |  | **17** |  |  |  | **15** |

**5th Semester (Fall Even Yr.) 6th Semester (Spr. Odd Yr.)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject** | **No** | **Course** | **Cr** | **Subject** | **No** | **Course** | **Cr** |
| MATH | 341 | Differential Equations | 3 | PHYS | 342 | Thermal & Statistical Physics\*\* **OR** |  |
| EDUC | 242 | Pre-Clinical 1 | 3 | PHYS | 345 | Optics\*\* | 3 |
| PHYS | 350 | Intermediate Exp. Phys. I | 3 | EDUC  | 342 | Pre-Clinical II | 3 |
| PHYS | 441 | Classtical Mechanics | 3 | PHYS | 451 | Electricity and Magnetism | 3 |
| XXX | --- | Liberal Studies SS #2#/## | 3 | XXX | --- | Liberal Studies SS #3#/## | 3 |
| EDUC | 441 | School Law | 1 | BIOL | 201 | Biology | 3 |
|  |  |  | **15** |  |  |  | **15** |

**7th Semester (Fall Odd Yr.) 8th Semester (Spr. Even Yr.)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject** | **No** | **Course** | **Cr** | **Subject** | **No** | **Course** | **Cr** |
| EDUC  | 301 | Ed of Stud w/ Disable in Sec Set | 2 |  |  |  |  |
| EDUC | 451 | Teach Science in Sec School | 3 |  |  |  |  |
| PHYS |  | Physics Elective  | 3 |  |  |  |  |
| GEOS | 10x | Geosciences LS | 3 |  |  |  |  |
| PHIL |  | LS (Phil /Rel St.) #/## | 3 | EDUC | 441 | Student Teaching | **12** |
| EDUC  | 477 | Assessment of Stud Learning | 3 |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  | **17** |  |  |  | **12** |

**§**Placed in MATH 125 and PHYS 131 based on placement test.

(1) One course from: Art, Theater, or Dance.

#/## May postpone until winter/summer session

\* Or ROTC (Fall 2 Cr + Spr 2 Cr.)

\*\* These courses are offered every other year.

+ One course from: Global & Multicultural Awareness Category