# 4 Year B.A. in Physics

Sample Program Outline/Advising Guide

| Fall | | Spring | |
|---|---|---|---|
| **FIRST YEAR** | | | |
| PHYS 123 & 124: Analyt Phys I & Lab | 4 | PHYS 125 & 126: Analyt. Phys II & Lab | 4 |
| R/MATH 221: Calculus I | 4 | MATH 222: Calculus II | 4 |
| INTD 105 or F/ | 3 | F/ or INTD 105 | 3 |
| Foreign Language or S/ | 3 | S/ or Foreign Language | 3 |
| Elective | 1 | | |
| Total | **15** | Total | **14** |
| **SECOND YEAR** | | | |
| PHYS 223: Analytical Physics III | 3 | PHYS 224: Analytical Physics IV | 3 |
| PHYS 226: Optics & Modern Phys Lab | 1 | PHYS 228: Math Methods in Physics | 2 |
| MATH 223: Calculus III | 4 | MATH 326: Differential Equations | 3 |
| CSCI 119 or 120 | 3 | Lab Science II | 4 |
| N/Lab Science I | 4 | F/ | 3 |
| Total | **15** | Total | **15** |
| **THIRD YEAR** | | | |
| PHYS 352: Quantum Mechanics I | 3 | PHYS 341: Seminar in Physics | 1 |
| PHYS 362: Intermediate Laboratory | 2 | PHYS 363 (I&I) OR 372 (Und. Res.) | 2 |
| Physics 300-level Elective | 3 | Physics 300-level Elective | 3 |
| HUMN 220: Humanities I | 4 | HUMN 221: Humanities II | 4 |
| S/ | 3 | Elective | 3 |
| | | Elective | 3 |
| Total | **15** | Total | **16** |
| **FOURTH YEAR** | | | |
| Physics 300-level Elective | 3 | Physics 300-level Elective | 3 |
| Elective | 3 | U/ | 3 |
| Elective | 3 | Elective | 3 |
| N/ | 4 | Elective | 3 |
| M/ | 3 | Elective | 2 |
| Total | **16** | Total | **14** |

Total Semester Hours = **120**

**Special Instructions:**
B.A. students may not receive degree credit for both PHYS 313 (Applied) and PHYS 332 (ECA)
PHYS 362 and 363 are offered in Fall and Spring semesters. These can be taken either semester.