**STUDENT NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ STUDENT I.D.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ADVISOR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ YEAR ENROLLED: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **COURSE TITLE** | | **COURSE NUMBER** | | | | **Cr. Hrs** | | | | | | | **Grade** | | | **Sem. & Yr.** | **COURSE TITLE** | **COURSE NUMBER** | **Cr. Hrs** | **Grade** | | | **Sem. & Yr.** |
| **PHYSICS-REQUIREMENTS (35 Hours)** | | | | | | | | | | | | | | | | | **ENGLISH REQUIREMENTS (9 Hours)** | | | | | | |
| General Physics Lecture | | PHYS 221 | | | | 3 | | | | | | |  | | |  | English Composition I | ENGL 110 | 3 |  | | |  |
| General Physics Lecture | | PHYS 222 | | | | 3 | | | | | | |  | | |  | English Composition II | ENGL 111 | 3 |  | | |  |
| General Physics Lab | | PHYS 223 | | | | 1 | | | | | | |  | | |  | World Literature | ENGL 201 | 3 |  | | |  |
| General Physics Lab | | PHYS 224 | | | | 1 | | | | | | |  | | |  | Intro. To African American Literature3 | ENGL 203 | 3 |  | | |  |
| Modern Physics | | PHYS 271 | | | | 3 | | | | | | |  | | |  | Introduction to Fiction | ENGL204 | 3 |  | | |  |
| Mathematical Physics | | PHYS 311 | | | | 3 | | | | | | |  | | |  | Introduction to Drama | ENGL 205 | 3 |  | | |  |
| Experimental Physics I | | PHYS 341 | | | | 3 | | | | | | |  | | |  |  |  |  |  | | |  |
| Experimental Physics II | | PHYS 342 | | | | 3 | | | | | | |  | | |  | **HISTORY SEQUENCE (6 Hours)** | | | | | | |
| Thermodynamics | | PHYS 345 | | | | 3 | | | | | | |  | | |  | History of Civilization I | HIST 114 | 3 |  | | |  |
| Advanced Math Physics | | PHYS 411 | | | | 3 | | | | | | |  | | |  | History of Civilization II | HIST 115 | 3 |  | | |  |
| Advanced Mechanics I | | PHYS 416 | | | | 3 | | | | | | |  | | |  | **HUMANITIES ELECTIVES ( 3 Hours)** | | | | | | |
| Electromagnetic Theory I | | PHYS 425 | | | | 3 | | | | | | |  | | |  | Introduction to Logic | PHIL 210 | 3 |  | | |  |
| Quantum Physics I | | PHYS 435 | | | | 3 | | | | | | |  | | |  | Introduction to Philosophy | PHIL 200 | 3 |  | | |  |
| **PHYSICS - ELECTIVES (9 Hours)** | | | | | | | | | | | | | | | | | Humanities I: Three Arts | HUMN 241 | 3 |  | | |  |
| Discovery in Physics | PHYS 145 | | | | | | 3 | | | | |  | | |  | | Humanities II: Three Arts in History | HUMN 242 | 3 |  | | |  |
| Programming in Physics1 | PHYS 200 | | | | | | 3 | | | | |  | | | |  | Race Relations3 | HUMN 366 | 3 |  | | |  |
| Earth Science I | PHYS 201 | | | | | | 4 | | | | |  | | | |  | **FINE ARTS ELECTIVE (3 Hours)** | | | | | | |
| Earth Science II | PHYS 202 | | | | | | 4 | | | | |  | | | |  | Understanding the Arts | ARTS 200 | 3 |  | | |  |
| Intro. to Astronomy | PHYS 206 | | | | | | 4 | | | | |  | | | |  | Enjoyment of Music | MUSC 200 | 3 |  | | |  |
| Electronics for Scientists | PHYS 262 | | | | | | 3 | | | | |  | | | |  | History of Jazz3 | MUSC 353 | 3 |  | | |  |
| Radiation Physics I | PHYS 281 | | | | | | 3 | | | | |  | | | |  | **SOCIAL SCIENCE ELECTIVES (6 Hours)** | | | | | | |
| Radiation Physics II | PHYS 282 | | | | | | 3 | | | | |  | | | |  | Economics | ECON 205 | 3 |  |  | | |
| The Physics of Waves | PHYS 332 | | | | | | 3 | | | | |  | | | |  | Cultural Geography | GEOG 210 | 3 |  |  | | |
| Computational Physics2 | PHYS 400 | | | | | | 3 | | | | |  | | | |  | Principles of Geography | GEOG 221 | 3 |  |  | | |
| Physics & Technology of Energy | PHYS 405 | | | | | | 3 | | | | |  | | | |  | American Government | POLS 200 | 3 |  |  | | |
| Advance Mechanics II | PHYS 417 | | | | | | 3 | | | | |  | | | |  | General Psychology | PSYC 210 | 3 |  |  | | |
| Electromagnetic Theory II | PHYS 426 | | | | | | 3 | | | | |  | | | |  | Introduction to Sociology | SOCL 210 | 3 |  |  | | |
| Quantum Physics II | PHYS 436 | | | | | | 3 | | | | |  | | | |  | **FOREIGN LANGUAGE SEQUENCE (6 Hours)** | | | | | | |
| Astrophysics | PHYS 462 | | | | | | 3 | | | | |  | | | |  | Foreign Language I | \_\_\_\_\_\_ 100 | 3 |  |  | | |
| Solid State Physics | PHYS 472 | | | | | | 3 | | | | |  | | | |  | Foreign Language II | \_\_\_\_\_\_ 101 | 3 |  |  | | |
| Special Problems in Physics | PHYS 491 | | | | | | 1 | | | | |  | | | |  | **HEALTH AND PHYSICAL EDUCATION (2 HOURS)** | | | | | | |
| Special Problems in Physics | PHYS 492 | | | | | | 2 | | | | |  | | | |  | Health | HLTH 210 | 2 |  |  | | |
| Special Problems in Physics | PHYS 493 | | | | | | 3 | | | | |  | | | |  | Physical Education Elective I |  | 1 |  |  | | |
| Special Problems in Physics | PHYS 494 | | | | | | 3 | | | | |  | | | |  | Physical Education Elective II |  | 1 |  |  | | |
| **MATHEMATICS - REQUIRED (18 Hours)** | | | | | | | | | | | | | | | | | **FREE ELECTIVES (9 Hours)** | | | | | | |
| Calculus I | MATH 264 | | | | | | | 4 | | |  | | | |  | | CMPS 140 or Higher1 | CMPS \_\_\_\_ | 3 |  | |  | |
| Calculus II | MATH 265 | | | | | | | 4 | | |  | | | |  | | Technical Writing | ENGL 362 | 3 |  | |  | |
| Statistics – Sci. & Eng. | MATH 276 | | | | | | | 3 | | |  | | | |  | | Free Elective |  |  |  | |  | |
| Calculus III | MATH 364 | | | | | | | 4 | | |  | | | |  | | Free Elective |  |  |  | |  | |
| One Math elective4 |  | | | | | | | 3 | | |  | | | |  | | Free Elective |  |  |  | |  | |
| **SCIENCE ELECTIVES – REQUIRED (12 Hours)** | | | | | | | | | | | | | | | | |  |  |  |  | |  | |
| General Chemistry Lecture | CHEM 132 | | | | 3 | | | | |  | | | |  | | | **4At least one free elective will be a three (3) credit course in Mathematics** | | | | | | |
| General Chemistry Lab | CHEM 112 | | | | | 1 | | | |  | | | |  | | |
| General Chemistry Lecture | CHEM 133 | | | | | 3 | | | |  | | | |  | | |
| General Chemistry Lab | CHEM 113 | | | | | 1 | | | |  | | | |  | | | **OTHER REQUIREMENTS** | **Date Completed** | | **Method** | | | |
| General Biology | BIOL 104 | | | | | 3 | | | |  | | | |  | | | Dept. Comprehensive Examination |  | | Examination | | | |
| General Biology | BIOL 106 | | | | | 1 | | | |  | | | |  | | | Writing Proficiency |  | | Examination | | | |
| **FRESHMAN SEMINAR (2 Hours)** | | | | | | | | | | | | | | | | | Computer Literacy 1 |  | | Course or Examination | | | |
| Freshman Seminar I | FRMN 110 | | 1 | | | | | |  | | | | | |  | | African American Experience3 |  | | Course | | | |
| Freshman Seminar II | FRMN 111 | | | 1 | | | | |  | | | | | |  | | Community Service (60 Clock Hours) |  | | **Registered Volunteer** | | | |

1Physics 200 satisfies the requirement for computer literacy. *If used in that manner, it is no longer counted as a physics free elective.*

Computer literacy may also be established by examination or a passing grade of “C of higher” in CMPS 140 or higher.

2 Recommended physics Elective to be taken at the same time as PHYS 311.

3Satisfies African American Experience requirement (3 Hours).

4200 level or above, as required by the Board of Regents. Students must obtain a “C” or higher in all Physics, Math and all Science Courses.

Approved by: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Chair, Department of Math., Phys., and SMED Date Dean, College of Sciences and Agriculture Date