

COMBINED B.S./M.A. IN PHYSICS

| Fall 1 | | | Spring 1 | | |
|------------|--------------------|-----------|------------|--------------------------|-----------|
| ENG 10001 | College English 1 | 3 | ENG 10002 | College English II | 3 |
| MATH 12002 | Calculus I* | 5 | MATH 12003 | Calculus II | 5 |
| CHEM 10060 | Gen. Chemistry I | 4 | CHEM 10061 | Gen. Chemistry II | 4 |
| CHEM 10062 | Chemistry Lab I | 1 | CHEM 10063 | Chemistry Lab II | 1 |
| US 10001 | Orientation | 1 | | Hum/Fine Arts 1 | 3 |
| | | <u>14</u> | | | <u>16</u> |
| Fall 2 | | | Spring 2 | | |
| MATH 22005 | Calculus III | 3 | MATH 21001 | Linear Algebra | 3 |
| PHY 23101 | Gen. Univ. Phys. I | 5 | PHY 23102 | Gen. Univ. Phys. II | 5 |
| | Foreign Lang. I | 4 | | Foreign Lang. II | 4 |
| | Hum/Fine Arts 2 | 3 | | Hum/Fine Arts 3 | 3 |
| | | <u>15</u> | | | <u>15</u> |
| Fall 3 | | | Spring 3 | | |
| MATH 32044 | Ordinary D.E. | 3 | MATH 42045 | Partial D.E. | 3 |
| PHY 35101 | Mechanics I | 3 | PHY 35102 | Mechanics II | 3 |
| PHY 36001 | Modern Physics | 3 | PHY 46101 | Quantum & Atomic | 4 |
| | Gen. Elective | 3 | PHY 46301 | Nuclear Phys. | 3 |
| | Social Science 1 | 3 | PHY 30020 | Inter. Physics Lab | 2 |
| | | <u>15</u> | | | <u>15</u> |
| Fall 4 | | | Spring 4 | | |
| PHY 55201 | Elect. & Mag. I | 3 | PHY 55202 | Elect. & Mag. II | 3 |
| PHY 55301 | Thermodynamics | 3 | PHY 56401 | Intro. Solid State | 3 |
| PHY 40096 | Ind. Investigation | 2 | PHY 50096 | Ind. Investigation** | 1 |
| PHY 40020 | Adv. Physics Lab | 2 | | Major Elective | 3 |
| | Social Science 2 | 3 | | Major Elective | 3 |
| | | <u>13</u> | | | <u>13</u> |
| Fall 5 | | | Spring 5 | | |
| PHY 65101 | Class. Mechanics | 3 | PHY 66201 | Particle Physics | 3 |
| PHY 65301 | Stat. Mechanics I | 4 | PHY 65203 | Class. Electrodynamics I | 3 |
| PHY 66161 | Quant. Mechanics I | 3 | PHY 66162 | Quant. Mechanics II | 3 |
| | Social Science 3 | 3 | PHY 54802 | Astrophysics** | 3 |
| | | <u>13</u> | | | <u>12</u> |

*MATH 12001 (Algebra & Trigonometry) is a prerequisite course, which the student with

sufficient background should bypass.

**Suggested graduate-level electives.

AY05-06