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**Undergraduate Studies**

**General Education Requirements:** Majors must complete the university and college general education requirements. Any of the following courses may be used to satisfy the physical science requirement:

- **ASTRON:** 1001, 1001A, 1011, 1012, 1050, 1051, 1121
- **ATM SCI:** 1001, 1001A
- **GEOL:** 1001, 1002, 1001A, 1002A
- **PHYSICS:** 1001, 1011, 1012, 2111, 2112.

**Degree Requirements**

All physics majors, who are transfer students, must complete PHYSICS 1099, Windows on Physics. First time freshman must take INTDSC 1003. All physics majors in all programs must complete the physics core curriculum with the exception that majors pursuing the Physics Education option are not required to take PHYSICS 1099 and CMP SCI 1250. In addition to the core courses, each individual program has its own specific requirements. Required Physics, Mathematics, Chemistry, Biology, Optometry and

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**Degree Requirements**

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Physics 1099 has been moved to the core curriculum requirements.
Computer Science courses for a major or minor in physics may not be taken on a satisfactory/unsatisfactory grading basis.

**Core Curriculum:** The following physics courses are required:
- **PHYSICS 2111**, Physics: Mechanics and Heat
- **PHYSICS 2112**, Physics: Electricity, Magnetism, and Optics
- **PHYSICS 3200**, Mathematical Methods of Theoretical Physics
- **PHYSICS 3221**, Mechanics
- **PHYSICS 3223**, Electricity and Magnetism
- **PHYSICS 3231**, Introduction to Modern Physics I

Also required are:
- **MATH 1800**, Analytic Geometry and Calculus I
- **MATH 1900**, Analytic Geometry and Calculus II
- **MATH 2000**, Analytic Geometry and Calculus III
- **MATH 2020**, Introduction to Differential Equations
- **CHEM 1111**, Introductory Chemistry I or equivalent
- **CMP SCI 1250**, Introduction to Computer Science

**Note:** Students are urged to begin the calculus sequence [MATH 1800, Analytic Geometry and Calculus I] as soon as possible to avoid delays in graduation. Students with experience in digital computer programming may be excused from CMP SCI 1250.

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