

Contact

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Entrance Requirements

Official High School Transcripts, including a 12th Grade class schedule if applicable
SAT or ACT Scores
\$25.00 application fee

Major Requirements

<i>BA</i>	
29 credits	Physics
22 credits	Math and Science
9 credits	Modern Language
45 credits	Liberal Studies
15 credits	Electives

120 Minimum total credit hours required for graduation

COLLEGE OF HEALTH, ENVIRONMENT, AND SCIENCE

Programs

Physics study the world around us in order to discover the principles or laws which govern the natural world.

As a physics student you can:

- Seek to understand the origin of the universe and the ultimate structure of matter;
- Study the principles underlying the structure of materials in order to design faster computer chips or improved liquid crystals used for electronic displays;
- Work in hands-on lab courses studying laser-based optics, learn electronic instrumentation for the physical sciences including the computer acquisition and analysis of data, and use modern lab equipment such as the electron spin resonance spectrometer which can detect the radiation from individual atoms;
- Acquire theoretical and experimental background for work in areas such as acoustics, astrophysics, biophysics, chemical physics, computer science, education mathematical physics, and engineering.

Career Opportunities

Developments in science and technology move very fast and a degree in Physics provides you with the fundamental tools, which you will, need in order to attack the scientific and technological problems of this millennium.

An undergraduate degree in Physics gives students a broad, deep, rigorous understanding to solve many types of quantitative problems, a skill which is useful to many different careers in computers, engineering, finance, etc. With the rapid and unpredictable pace and direction of technological advance, training in physics gives the undergraduate their most important skill, namely the ability to think clearly and rigorously about a technical problem which may arise in the workplace.

Liberal Education Requirements*

Approximately one-half of a student's courses will be credited toward completing liberal studies requirements. The liberal studies program is designed to provide students with the breadth of knowledge expected of an educated person in our society. These courses compliment the depth of specialty acquired in a student's major.

The program contains seven critical goals or areas of study.

- Goal I: Basic Competencies*
- Goal II: The Arts*
- Goal III: Cultural Diversity and Global Perspective*
- Goal IV: Human Institutions and Interpersonal Relationships*
- Goal V: Natural Sciences and Mathematics*
- Goal VI: Our National Experience*
- Goal VII: Challenges of the Modern Age*

**All SRU students must complete the liberal studies requirements, which are counted in the total credit hours required for graduation and may be contained in the Major Requirements previously listed.*

Academic Programs 2004-2005



This fact sheet is intended for informational purposes only and is subject to change.