ISC 1005C
Interdisciplinary Science II (3)(A.A.)

Catalog Description: Interdisciplinary Science II is the second part of two foundation courses that each meet for four hours per week. The course includes a laboratory component that emphasizes basic scientific reasoning, observation, measurement, literacy, and the application of the scientific method.

ISC 1005C has been developed from the basic principles of physics, chemistry, earth science, ecology and biology; and organized into a modular format. This course was designed to meet the Sunshine State Science Standards and Area V of the A.A./A.A.S./A.S. general education requirements. Additional special fees are required.

Performance Standards:

At the Successful completion of the course, the student should be able to:

1. Demonstrate proficiency with use of scientific terms associated with chemical, physical, biological and ecological principles covered.
2. Acquire and understanding of the interactions of energy and matter, including transformation of energy in biological matter.
3. Acquire an understanding of the characteristics of organisms, diversity, and adaptation; appreciate the importance of diversity.
4. Acquire an understanding of the heredity of human characteristics.
5. Acquire an understanding of the structure of natural population, energy flow, and the biotic and abiotic factors affecting their survival.
6. Acquire an understanding the properties of Earth materials, and the existence of natural cycles for recycling biological materials.
7. Acquire an understanding of how Earth has changed through time.
8. Acquire and understanding of resources, human population, hazards, and the quality of the environment; appreciate resource protection, and some of the human impacts on the environment with an emphasis on Florida.
9. Appreciate how scientists apply certain technologies to improve their understanding of the biosphere.
10. Demonstrate basis literary proficiency in sciences, and be able to make a presentation on any aspects covered in this course.