Southeastern Louisiana University
Master of Science
Integrated Science and Technology

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Program Purpose

The Masters in Integrated Science and Technology (ISAT) is an interdisciplinary program that emphasizes applications of chemistry, computer science, industrial technology, mathematics, and physics in a career enhancement degree. This degree has been devised to meet the specific needs of students attending regional universities and desiring technical employment. This degree will prepare students for the workplace by giving them experience in applying their knowledge of mathematics and science to projects of interest to business and industry.

Requirements for Admission

Applicants to the ISAT program must have completed an undergraduate degree program and have earned at least 30 semester hours in any combination of chemistry, computer science, industrial technology, mathematics, or physics to enter the program. Applicants must have a cumulative undergraduate GPA of at least 2.75, and a combined Verbal and Quantitative Score on the Graduate Record Exam of at least 850. Applicants must submit a letter of application, letters of recommendation and transcripts of previous undergraduate or graduate work.

Student who fail to meet any of the above criteria could still be granted conditional admission into the ISAT program. Contact the program coordinator for more information.

Degree Requirements

The ISAT degree will require a total of 33 semester hours consisting of 6 hours of applied science seminars, 12 hours from the coure courses, 6 hours in their area of concentration, 3 hours in courses that are cross-listed with their area of concentration, and 6 hours of research project or thesis work.

Proficiencies:

All students admistted to the program will be asked to demonstrate proficiency in calculus and three of chemistry, physics, computer science or industrial technology during their first year in the program by completing the web-based course materials or selected coursework. Proficiency will be comparable to the level of knowledge of having passed an introductory undergraduate course or courses in the area.

Chemistry:

Complete (18) eighteen hours of core courses and:
6 hours from Chemistry.
3 hours of cross-listed courses.
6 hours of ISAT 770 or 771.

Computer Science:

Complete (18) eighteen hours of core courses and:
6 hours from Chemistry.
3 hours of cross-listed courses.
6 hours of ISAT 770 or 771.

Industrial Technology:

Complete (18) eighteen hours of core courses and:
6 hours from Chemistry.
3 hours of cross-listed courses.
6 hours of ISAT 770 or 771.

Mathematics:

Complete (18) eighteen hours of core courses and:
6 hours from Chemistry.
3 hours of cross-listed courses.
6 hours of ISAT 770 or 771.

Physics:

Complete (18) eighteen hours of core courses and:

6 hours from graduate physics courses.
3 hours of cross-listed courses.
6 hours of ISAT 770 or 771.

Southeastern's 2002-03 Curriculum Index
Southeastern's 2002-03 Catalog Course Listing

Office of Records and Registration

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Questions or comments about this site should be directed to pfinch@selu.edu
You may contact Southeastern's Office of Records and Registration
for additional information at
1-800-222-SELU or (985) 549-2000