

Updated July 16, 2004

**Disclaimer:** A number of organizational changes will be considered by the Board of Trustees and the Board of Regents. Please see your advisor. Updated information will be posted in the online catalog at the SUU website <http://www.suu.edu/academics/catalog/>.

Effective July 1, 2004 The College of Computing, Integrated Engineering, and Technology was organized. <http://www.suu.edu/ciet/>

## College of Computing, Integrated Engineering and Technology

**Interim Dean: Mikhail Bouniaev**

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College Website: <http://www.suu.edu/ciet>

Advising Website:

<http://www.suu.edu/ciet/programs.html>

The College of Computing, Integrated Engineering, and Technology is composed of three departments:

- Department of Computer Science and Information Systems
- Department of Mathematics
- Department of Integrated Engineering and Technology

### Mission

The mission of the Southern Utah University (SUU) College of Computing, Integrated Engineering, and Technology (CIET) is to provide a learning-centered environment which enables students to successfully compete on a global level for positions in industry, secondary education and the pursuit of advanced degrees through various graduate-school programs. The curricula provide students with instruction in specialized theories, practices and ethics allowing them to enhance their learning and develop an understanding of important computer, information systems, mathematics, engineering and technology concepts. The CIET faculty is committed to high-quality education for its students and to providing individual guidance and assistance to help them grow intellectually, professionally and personally in order to pursue their academic goals.

### Vision

The Southern Utah University (SUU) College of Computing, Integrated Engineering, and Technology (CIET) will be globally renowned for its excellence in education and scholarship within all of its comprehensive disciplines, ultimately becoming a role model for other institutions. To accomplish this, CIET will:

- access government and private resources which provide funding for scholarly activity and student training;
- create and maintain partnerships with both national and international peer institutions;
- cultivate computer, information systems, mathematics, engineering and technology literacy in the general student population;
- develop venues for high school students to articulate credits to post-secondary programs;
- encourage and support faculty in the development of new knowledge and technology in the areas represented by CIET;
- establish collaborative relationships with business, industry and professional organizations when providing students with practical experiences that exemplify the state-of-the-art;
- integrate a foundation for opportunities of life-long learning and adaptation to a changing, multicultural and technology-driven world;

- prepare regionally, nationally and globally competitive graduates actively sought by employers and post-bachelor institutions of higher learning;
- provide a learning environment which incorporates the study of fundamentals, the understanding of applications and the experience of practical skills;

## Undergraduate Degrees, Majors, Certificates and Minors Bachelor of Arts and Bachelor of Science Degrees

### Computer Science & Information Systems

Computer Science

Computer Science with an emphasis in GIS

Computer Science with an emphasis in Forensic Science

Information Systems

### Mathematics

Actuarial Science Emphasis

Bioinformatics Emphasis

Education Emphasis

Pure Mathematics Emphasis

### Engineering & Technology

Integrated Engineering

Construction Management

Engineering Technology with an emphasis in CAD-CAM

Engineering Technology with an emphasis in CAD-GIS

Engineering Technology with an emphasis in Electronics

Technology Education

## Associate of Applied Science Degrees

### Computer Science & Information Systems

Information Systems Applications with an emphasis in Networking and Telecommunications

Information Systems Applications with an emphasis in User Support Services

### Engineering & Technology

## Associate of Pre-Engineering Degrees

Biological Engineering

Chemical Engineering

Civil Engineering

Computer Engineering

Electrical Engineering

Environmental Engineering

Materials Science Engineering

Mechanical Engineering

Automotive Technology

Cabinet Making & Millwork

Construction Technology

CAD-CAM Technology

Electronics Technology

## Certificates

Information Systems Technology

Automotive Technology

CAD-CAM Technology

## Chapter 1 - An Introduction to Southern Utah University Academic Colleges and Schools

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Construction Technology

### Minors

Computer Science  
Computer Science Education  
Information Systems  
Actuarial Mathematics  
Pure Mathematics  
Mathematics Education  
Automotive Technology  
CAD-CAM Technology  
Construction Technology

### Accreditation

The automotive technology program is accredited by the National Automotive Technicians Education Foundation (NATEF), the education arm of Automotive Service Excellence (ASE). The mission of ASE is to improve the quality of automotive service and repair through the voluntary testing and certification of automotive technicians.

Technology education is accredited by the International Technology Education Association (ITEA), the professional organization of technology teachers. ITEA strengthens the profession through leadership, professional development, membership services, publications, and classroom activities.

We are in the process of applying for accreditation from the Accreditation Board for Engineering and Technology (ABET) for Engineering.

### Student Advising

Students are assisted in selecting appropriate courses through the joint efforts of faculty advisors and the College of Computing, Integrated Engineering, and Technology (CIET) academic advisor. Interested students should contact the CIET advisor in the Technology Building, Room 118, 435-586-8702, or e-mail the

advisor at: [deletaen@suu.edu](mailto:deletaen@suu.edu). Important and helpful information regarding CIET advising issues can be found at [www.suu.edu/ciet/programs.html](http://www.suu.edu/ciet/programs.html).

### Student Scholarships

Scholarships are available to students demonstrating potential for academic excellence in disciplines within Computing, Integrated Engineering, and Technology. Students must submit the appropriate applications by February 1. Interested students should contact the Financial Aid Office, Sharwan Smith Center, room 167, 435-586-7735.

### Student Organizations

In order to experience college life to the fullest, participation in student organizations is encouraged. Among the many student organizations of interest to applied science and technology majors are the following:

- Alternative Spring Break
- Engineering Club
- National Association of Home Builders
- Phi Beta Lambda
- Sigma Delta Omicron
- Skills USA – VICA

### Special Requirements and Options

#### Internships

Many companies and governmental institutions provide exceptional opportunities for students to develop skills in a "professional" environment. Students' internship assignments are jointly supervised by company management and Southern Utah University faculty members. Academic credit is awarded for internships and financial compensation may be available. More information is available from the department.