

## College of Computing, Integrated Engineering, and Technology

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

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

### Mission

The mission of the College of Computing, Integrated Engineering, and Technology (CIET) is to provide a learning-centered environment that enables students to achieve their academic goals and to compete on a global level for careers in government, industry, secondary education, and acceptance to graduate school. The college provides programs in computer science, engineering, information systems, mathematics, technology, and interdisciplinary studies. The curricula are rich with opportunities for students to develop a sound understanding of fundamentals as well as specialized theories, practices, and ethics that enhance their learning. The CIET faculty is committed to providing high-quality education, individual guidance and assistance to students, and helping them grow intellectually, professionally, and personally while pursuing 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 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.

### Graduate Degrees

**Master of Science in Forensic Science**  
Emphasis in Computing

### Undergraduate Degrees, Majors, Certificates and Minors

#### Bachelor of Arts and Bachelor of Science Degrees

##### Computer Science & Information Systems

Computer Science Composite  
Computer Science Composite – Forensic Science Emphasis  
Information Systems Composite

##### Integrated Engineering & Technology

Integrated Engineering Composite  
Construction Management Composite  
Engineering Technology Composite – Architectural/Civil Design Emphasis  
Engineering Technology Composite – CAD/CAM Emphasis  
Engineering Technology Composite – CAD/GIS Emphasis  
Engineering Technology Composite – Electronics and Computer Engineering Technology Emphasis  
Technology Education Composite – Career and Technical Emphasis

##### Mathematics

Actuarial Science Emphasis  
Bioinformatics Emphasis  
Math Education Emphasis  
Pure Mathematics Emphasis

### Associate of Applied Science Degrees

##### Computer Science & Information Systems

Information Technology with an emphasis in one of the following fields:  
Information Technology  
Networking/Telecommunications  
Computer and Information Systems Security

##### Integrated Engineering & Technology

Construction Technology  
CAD/CAM Technology  
Electronics Technology

### Associate of Pre-Engineering Degree

##### Certificates

Civil Drafting/CAD  
Construction Technology

##### Minors

Computer Science (Non-Teaching)  
Computer Science Emphasis in Teacher Education  
Computer Science Emphasis in Forensics  
Information Systems (Non-Teaching)  
Actuarial Mathematics  
Pure Mathematics

Mathematics Education  
CAD/CAM Technology  
Construction Technology  
Electronics Technology

### Accreditation

The Integrated Engineering Program is accredited by the Accreditation Board for Engineering and Technology (ABET), the recognized U.S. accreditor of university programs in applied science, computing, engineering, and technology. Accreditation ensures the quality of the postsecondary education students receive.

The Technology Education Program 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.

### 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, Craig Degener. Interested students should contact the CIET advisor in the Engineering and Technology Building, Room 118, (435) 865-8702, or e-mail the advisor at: [degener@suu.edu](mailto:degener@suu.edu). Important and helpful information regarding CIET advising issues can be found at <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
- Computing Club
- Engineering Club
- Math Club
- National Association of Home Builders
- Phi Beta Lambda
- Skills USA

### 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.

