

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 Mathematics
- Department of Integrated Engineering and Technology

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 to 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 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

Computer Science & Information Systems

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

Mathematics

- Actuarial Science Emphasis
- Bioinformatics Emphasis
- Education Emphasis
- Pure Mathematics Emphasis

Integrated Engineering & Technology

- Integrated Engineering
- Construction Management Composite
- Engineering Technology Composite – CAD/CAM Emphasis
- Engineering Technology Composite – CAD/GIS Emphasis
- Engineering Technology Composite – Electronics Emphasis
- Technology Education Composite – Career and Technical 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

- Automotive Technology
- Cabinetmaking & Millwork
- Construction Technology
- CAD/CAM Technology
- Engineering Technology – Electronics Emphasis

Associate of Pre-Engineering Degrees

- Biological Engineering
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Environmental Engineering
- Materials Engineering
- Mechanical Engineering

Certificates

- Automotive Technology
- 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
Automotive Technology
CAD/CAM Technology
Construction Technology
Electronics Technology

Accreditation

The automotive technology program is accredited by the National Automotive Technicians Education Foundation (NATEF) and 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, Nancy DeLaet. Interested students should contact the CIET advisor in the Engineering and Technology Building, Room 118, 435-586-8702, or e-mail the advisor at: delaeatn@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
- Engineering Club
- National Association of Home Builders
- Phi Beta Lambda
- 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.