

Name of Program: Computer Science and Information Systems (CSIS)
Fiscal Year Assessment Report
FY 2008-09

Expanded Statement of Institutional Purpose	Program Intended Educational Outcomes	Means of Program Assessment and Criteria for Success	Summary of Data Collected	Use of Results
<p><u>The vision</u> The Southern Utah University (SUU) Computer Science and Information Systems Department (CSIS) will be globally renowned for its excellence in education and scholarship within all of its comprehensive programs, ultimately becoming a role model for other institutions.</p> <p><u>The mission</u> The Department of Computer Science and Information Systems (CSIS) supports the mission of the University and the College of Computing, Integrated Engineering, and Technology by providing a high quality graduate and undergraduate education to students through certificate, associate, baccalaureate, and master degree programs.</p> <p><u>CSIS Mission Statement:</u> The mission of the CSIS Department is to provide a learning-centered environment that enables students, faculty, and staff to achieve their goals and to</p>	<p>The standards and competencies that the student will have met and achieved at the time of graduation are expressed as the Program Outcomes required for accreditation by the Accreditation Board for Engineering and Technology (ABET) as follows:</p> <p><i>The program enables students to achieve the following attributes by the time of graduation:</i></p> <p>(a) An ability to apply knowledge of computing and mathematics appropriate to the discipline;</p> <p>(b) An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution;</p> <p>(c) An ability to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs;</p> <p>(d) An ability to function</p>	<p>Means of Program Assessment:</p> <ol style="list-style-type: none"> 1. Course Data Sheets 2. Course collected material (sample test, quiz, etc) 3. Mapping of Course Evaluations to each and all Criteria mentioned in Program Intended Educational Outcome section 4. Achievement of Program outcomes from indicated courses 5. Student Exit Interviews and Graduating Student Surveys 6. IAB Interview 7. Recent Alumni Survey 8. Capstone Project Performance 9. Roundtable Discussions with Undergraduate Students 10. Faculty Performance Evaluations 11. Informal Feedback and Testimonials <ul style="list-style-type: none"> • Course assessment: Collect and assess materials from indicated courses based on mapping table and identification of indicated courses for each program outcome performed by faculty and course monitors. • Course Survey: every offering of the course will be surveyed and 	<ol style="list-style-type: none"> 1. All "Course Content Guide" are collected. 2. Mapping of CS and IS Educational Objectives to Program Outcomes (a-k). 3. Mapping of Program Outcomes to Course Objectives 4. Direct Assessment for all courses during Fall and Spring. 5. Course Assessment from students in all courses 6. Capstone course project assessment. 7. Folder for each and all course offering in CSIS department which had a direct mapping to the Program Outcomes including low and high samples of students performance in test, quiz, assignments, .. 8. FAAR (Faculty Annual Activity Report). 	<p>The data collected are used to:</p> <ol style="list-style-type: none"> 1. Seek ABET accreditation for both CS and IS programs 2. Find and improve any and all possible weakness in the curriculum. 3. Develop departmental report. 4. Find and improve any and all possible additional need for the hardware/software to support the programs. 5. Maintain and improve the quality of the programs. 6. Align students in the program with industrial need by providing hands-on education. 7. Define a process of continues

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<p>empower our students to compete on a global level for careers in government, industry, secondary education, and acceptance to graduate school.</p> <p>The Department provides programs in computer science and information systems. 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 CSIS faculty is committed to providing high-quality education, individual guidance and assistance to students, helping them to develop the attributes of critical thinking, effective communication, lifelong learning, and individual integrity while pursuing their academic goals as well as engaging in scholarly activities to enhance our classes, involve students and, to assist in the economic development of the region</p>	<p>effectively on teams to accomplish a common goal;</p> <p>(e) An understanding of professional, ethical, legal, security, and social issues and responsibilities;</p> <p>(f) An ability to communicate effectively with a range of audiences;</p> <p>(g) An ability to analyze the local and global impact of computing on individuals, organizations and society;</p> <p>(h) Recognition of the need for, and an ability to engage in, continuing professional development;</p> <p>(i) An ability to use current techniques, skills, and tools necessary for computing practices;</p> <p>(j) An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices; (CS)</p>	<p>analyzed to ensure identification of any needed improvement.</p> <ul style="list-style-type: none"> • Review of Capstone Courses: performed by the instructor and other faculty and representatives from the industry. • Student Exit Survey: conducted at graduation. • Alumni Survey: conducted annually. • Employers Survey: conducted every two years. • Admission to professional or graduate school or number of job offer <p>Criteria for Success:</p> <ul style="list-style-type: none"> • Each indicated course will be assessed based on obtaining the values from 1-5 (1 for very weak and 5 very strong) from students survey, faculty teaching the course, course monitor, students exit survey, and employers on each of the educational objectives to see if the objectives associated to the courses are met. Educational outcomes are met if there is above 3.8. 	<p>9. All course syllabus</p>	<p>improvement by providing a schedule and timeline to continuously assess the data to identify the improvements in the program.</p> <p>Overall, the data collected will be used to strengthen the knowledge of the graduates in computing field.</p>
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<p>through partnerships with industry, inventors, and entrepreneurs.</p> <p><u>The Goals of the Department that support the mission</u></p> <ul style="list-style-type: none"> • Provide excellent (undergraduate, AAS, and minor) programs in computer Science and Information Systems. • Prepare graduates for careers enabling them to compete on a global level in government, industry, secondary education, and acceptance to graduate school. • Provide excellent General Education in service to the degree programs of other departments and the university community. • Engage in research and other scholarly activities that enhance, promote, and support our degree programs, our instructional activities, and the intellectual and professional growth of our students and our faculty. • Provide an environment that promotes collegiality, collaboration, and the joy of 	<p>(k) An ability to apply design and development principles in the construction of software systems of varying complexity. (CS)</p> <p>(j) An understanding of processes that support the delivery and management of information systems within a specific application environment; (IS)</p>			
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learning. Recruit and retain high quality students in our programs.				
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