

**COMPUTER SCIENCE & INFORMATION SYSTEMS**  
**2005-06 Assessment Report**

<b>Expanded Statement of Institutional Purpose</b>	<b>Program Intended Educational Outcomes</b>	<b>Means of Program Assessment &amp; Criteria for Success</b>	<b>Summary of Data Collected</b>	<b>Use of Results</b>
<p>Mission Statement:</p> <p>The mission of the Computer Science and Information Systems Department (CSIS) is to enhance and maintain a learning-centered environment that enable students, faculty, and staff to achieve their goals and to 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 and improves programs in computer science, information systems, 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.</p> <p>The CSIS faculty is committed to providing high-quality education, individual guidance, and assistance to students, as well as helping them to grow</p>	<p>The standards and competencies that the student will have met and achieved at the time of graduation are expressed as the educational outcomes required for accreditation by the Accreditation Board for Engineering and Technology (ABET).</p> <p>Each graduate will have:</p> <ol style="list-style-type: none"> <li>a. An ability to apply knowledge of mathematics, science, and engineering;</li> <li>b. An ability to design and conduct experiments as well as to analyze and interpret data;</li> <li>c. An ability to design a system, component, or process to meet desired needs;</li> <li>d. An ability to function on multidisciplinary teams;</li> <li>e. An ability to identify, formulate, and solve problems;</li> <li>f. An understanding of professional and ethical</li> </ol>	<p>Means of Program Assessment:</p> <ol style="list-style-type: none"> <li>1. Course Data Sheets</li> <li>2. Mapping of Course Evaluations to (a-k) Criteria</li> <li>3. Student Exit Interviews and Graduating Student Surveys</li> <li>4. IAB Interview Current Students and Recent Alumni</li> <li>5. Recent Alumni Survey</li> <li>6. Capstone Project Performance</li> <li>7. Roundtable Discussions with Undergraduate Students</li> <li>8. Faculty Performance Evaluations</li> <li>9. Informal Feedback and Testimonials</li> </ol> <p>• Course assessment: Collect and assess materials from indicated courses based on mapping table and identification of</p>	<p>Data collected:</p> <ol style="list-style-type: none"> <li>1. Developed and documented “Course Content Guide” for all courses in CSIS</li> <li>2. Mapping of appropriate courses to (a-k) ABET criteria for assessment of the outcome</li> <li>3. Exit survey from 2006 graduates (Over 50% collected and the rest are sent to their address)</li> <li>4. IAB survey and meeting minutes</li> <li>5. Collected information with regards to alumni</li> <li>6. Capstone project grades and Presentation</li> <li>7. Student openhouse collected feedback on course offering and satisfaction.</li> <li>8. FAAR (Faculty Annual Activity</li> </ol>	<p>The data collected is used to:</p> <ol style="list-style-type: none"> <li>1. Align our students in the programs with industry need</li> <li>2. Contact graduates and their employees and ensure their success</li> <li>3. Use IAB input for adjustment of the curriculum</li> <li>4. Ensure continues improvement in our course delivery by faculty</li> <li>5. Develop Department annual report</li> <li>6. Identify the required hardware/software to support the programs</li> </ol> <p>Overall, the data collected will be used to identify deficiencies and strength in the</p>

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<p>intellectually, professionally, and personally while pursuing their academic goals.</p> <p>The Department is committed to assisting in the economic development of the region through partnerships with industry, inventors, and entrepreneurs.</p> <p><b>Our Goals:</b></p> <p>The goals of the department that support the mission are to</p> <ol style="list-style-type: none"> <li>1. Provide excellent (undergraduate, AAS, and minor) programs in computer Science and Information Systems.</li> <li>2. To prepare graduates for careers enabling them to compete on a global level in government, industry, secondary education, and acceptance to graduate school.</li> <li>3. Provide excellent General Education in service to the degree programs of other departments and the university community.</li> <li>4. Engage in research and</li> </ol>	<p>responsibility;</p> <ol style="list-style-type: none"> <li>g. An ability to communicate effectively;</li> <li>h. The broad education necessary to understand the impact of engineering solutions in a global and societal context;</li> <li>i. A recognition of the need for, and an ability to engage in life-long learning;</li> <li>j. A knowledge of contemporary issues;</li> <li>k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.</li> </ol>	<p>indicated courses for each program educational outcome performed by faculty and course monitors.</p> <ul style="list-style-type: none"> <li>• Course Survey: every offering of the course will be surveyed and analyzed.</li> <li>• Review of Capstone Courses: performed by the instructor and other faculty and representatives from the industry.</li> <li>• Student Exit Survey: conducted at graduation.</li> <li>• Alumni Survey: conducted annually.</li> <li>• Employers Survey: conducted every two years.</li> <li>• Admission to professional or graduate school or number of job offer</li> </ul> <p>Criteria for Success:</p> <ul style="list-style-type: none"> <li>• Each indicated course will be assessed based on obtaining the values from 1-5 (1 for very</li> </ul>	<p>Report)</p> <ol style="list-style-type: none"> <li>9. Developed a cooperating relation with industry to assist with bringing their real world projects into classes and during this summer developed a cooperative research involving Possibility Forge and the department with seven student hired.</li> </ol> <p>Course materials to be used for assessment was not collected from several course and was decided to formulate collection process and start collecting next year</p>	<p>programs and develop a strategy and activities required to achieve our goals. There will be a formal assessment meeting during the last week of the Spring semester each year.</p>
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<p>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.</p> <p>5. Provide an environment that promotes collegiality, collaboration, and the joy of learning.</p> <p>6. Recruit and retain high quality students in our programs.</p>		<p>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> <ul style="list-style-type: none"> <li>● 90% of graduates are employed or have been accepted to graduate program within one year of graduation.</li> </ul>		
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