Student Learning Outcomes are categorized based on attainment of: 1) Content/Discipline-Specific Knowledge/Skills; 2) Communication Skills – Collaboration and Oral & Written Communications; 3) Critical Thinking Skills. A number of direct and indirect assessment approaches will be employed to assess attainment of the outcomes.

Content/Discipline-Specific Knowledge/Skills will be assessed directly in CIS4253 (Legal and Ethical Issues in Computing). The activities in the different rubrics of assessment employed in this course require students to write papers and essay-type answers to test questions.

Collaboration Skills will be assessed directly in CIS4253 (Legal and Ethical Issues in Computing) and CIS4327/CIS4328 Senior Project I/II. This assessment is carried out primarily in team project situations. Each team member (student) provides a rating of other team members on several questions on the evaluation instruments provided by the Comprehensive Assessment of Team Member Effectiveness (CATME) tool (www.catme.org).

Program Objectives:

Within a few years of graduation, the School of Computing expects its Information Systems alumni will be in professional situations in which they can:

1) Apply technical and business knowledge and up-to-date skills in improving and developing processes and information systems to solve problems in business environments and/or pursue an advanced degree in Information Systems, or a related field;
2) Engage in continuous professional development;
3) Participate in professional societies of Information Systems or related field;
4) Demonstrate leadership in addressing technical and business challenges;
5) Commit to the moral imperatives and professional responsibilities expected from practicing professionals.

Student Learning Outcomes

Graduates will be able to:

Content/Discipline-Specific Knowledge/Skills

- Analyze legal, social, security, and ethical issues that arise in the information systems discipline both locally and globally and recognize the need for continued professional development. (ABET Attribute e,g,h)

Communication Skills

- Communicate effectively in both oral and written form. (ABET Attribute f)
- Demonstrate the ability to work effectively in a collaborative setting. (ABET Attribute d)

Critical Thinking Skills

- Analyze a business problem and design and implement a computer-based system to meet the identified needs. (ABET Attributes a,b,c,i,j)
The outcome corresponding to Oral Communication Skills will be assessed directly in several courses which require oral presentations. Students who wish to use an oral presentation in any of these courses will have the instructor complete and “Oral Communications Form” indicating the fulfillment and the instructor’s assessment of the presentation(s).

The outcome corresponding to Written Communication Skills will be assessed directly in CIS4253 (Legal and Ethical Issues in Computing) in which students write 2000-word term paper.

The outcome corresponding to Critical Thinking Skills will be assessed directly through performance measures related to the completion of business system requirements and analysis documents, system design documents, and a functioning business application system.

Indirect measures of assessment in all three categories include employer or alumni surveys; student perception surveys; graduate school placement rates, etc. These surveys record responses of “Strongly Disagree”, “Disagree”, “Neutral”, “Agree”, or “Strongly Agree” to several questions related to the student outcomes. The percentage of responses of “Agree” or “Strongly Agree” is used as level of attainment of the associated outcome.