

Subject: Program Student Learning Outcomes For Computer Information Systems

Last updated:

January 29, 2009 at department retreat adopted new ABET student learning outcomes and established course matrix map

August 21, 2009 – updated course matrix map with CIS 325 and CIS 330 pre-assessment info.

August 28, 2009 – updated course matrix map with CIS 245 pre-assessment updates

General: There are 11 program student learning outcomes for Computer Information Systems Majors.

The CIS program enables students to achieve, by the time of graduation:

1. An ability to apply knowledge of computing and mathematics appropriate to the discipline.
2. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
3. An ability to design, implement, and evaluate a computer-based system, process, component or program to meet desired needs.
4. An ability to function effectively on teams to accomplish a common goal.
5. An ability to communicate effectively with a broad range of audiences.
6. An understanding of professional, ethical, legal, security and social issues and responsibilities.
7. An ability to analyze the local and global impact of computing on individuals, organizations and society.
8. Recognition of the need for and the ability to engage in continuing professional development.
9. An ability to use current techniques, skills, and tools necessary for computing practice.
10. An understanding of processes that support the delivery and management of information systems within a specific application environment.

Program Outcomes Mapping to CIS Course Matrix

Table 1 lists along the top row the courses that contribute to meeting a core or elective requirement for a BA or BS in Computer Information Systems. Column 1 lists the 11 program student learning outcomes. If a cell is not blank then that the course listed at the top of the column has learning outcomes that contribute to meeting the program student learning outcome for that row. A non blank cell will have either a date or an X. A date indicates the academic year that the course has been part of a formal program assessment against the associated program student learning outcome. An X indicates that the course has not yet been programmatically assessed against the program student learning outcome.

	CSC130	CIS211	CIS216	CIS245	CIS301	CIS310	CIS320	CIS325	CIS330	CIS345	CIS430	CIS450 & 465	MTH112	MTH116	MTH206
1	X	09-10	X	09-10	X	X	X	09-10	09-10	X	X		X	X	X
2	X	X	X	09-10	X	X	X	09-10	09-10	X	X				
3	X		10-11		10-11	X	10-11	10-11	10-11	10-11	10-11				
4				X		10-11	10-11		10-11	10-11	10-11				
5				X		X	X	X	X	X	X				
6		X		X		X				X	X				
7						X	X	X		X					
8								X			X				
9	X	X	X	X	X	X	X	X	X	X	X				
10		X						X	X		X				

Table 1: Course matrix mapping of each CIS course to the program student learning outcomes that it contributes to meeting.

Program Outcome Assessment Plan

Table 2 shows the program student learning outcome plan that was established in January 2009 to assess two learning outcomes per year until completion in AY 2013-2014. During AY 09-10, Program Learning Outcomes X and Y will be assessed.

Academic Year of Assessment	Program Learning Outcomes Assessed
2009-2010	PO 1, PO 2
2010-2011	PO 3, PO 4
2011-2012	PO 5, PO 6
2012-2013	PO 7, PO 8
2013-2014	PO 9, PO 10

Table 2: Program learning outcomes assessment plan

Assessment Format

The course coordinator of the courses selected to be assessed against a program student learning objective must provide the assessment plan in a pre-course assessment document submitted at a formal department assessment before the semester and in a post course assessment document submitted at the formal department assessment after the semester. All assessment documents are kept by the department chair on the department's internal web site.