

Assessment Plan  
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY  
9/20/2016

**University mission**

The University of Scranton is a Catholic and Jesuit university animated by the spiritual vision and the tradition of excellence characteristic of the Society of Jesus and those who share its way of proceeding. The University is a community dedicated to the freedom of inquiry and personal development fundamental to the growth in wisdom and integrity of all who share its life.

**College of Arts and Sciences mission**

As a liberal arts college within a Catholic and Jesuit University, The College of Arts and Sciences at The University of Scranton offers a wide range of academic programs based upon an understanding of transformational education as a means to academic excellence, personal and spiritual fulfillment, and thoughtful service to the human community. The College is a community of learners dedicated to providing a liberal arts education for all of the University's students, to the pursuit of wisdom and the dissemination of knowledge, and to addressing the critical problems of the world.

**The B.S. in Information Technology program** advances the University's goals by transforming students into continuously improving professionals who are prepared to make technical contributions in the service of society, their industry and communities.

**Program Educational Objectives**

The Information Technology program enables its graduates to:

1. Function as Information Technology practitioners in a wide range of contexts.
2. Assist organizations through the application of current and emerging technologies.
3. Continue growth as computing professionals.
4. Act with professionalism when addressing social and ethical issues.
5. Work in collaborative (team) environments.
6. Communicate effectively.

**Program Outcomes**

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

- a. An ability to apply knowledge of computing and mathematics appropriate to the discipline;
- b. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution;
- c. An ability to design, implement and evaluate a computer-based system, process, component, or program to meet desired needs;
- d. An ability to function effectively on teams to accomplish a common goal;
- e. An understanding of professional, ethical, legal, security, and social issues and responsibilities;
- f. An ability to communicate effectively with a range of audiences;
- g. An ability to analyze the local and global impact of computing on individuals, organizations and society;
- h. Recognition of the need for, and an ability to engage in, continuing professional development;
- i. An ability to use current techniques, skills, and tools necessary for computing practices.

- j. An ability to use and apply current technical concepts and practices in the core information technologies of human computer interaction, information management, programming, networking, and web systems and technologies.
- k. An ability to identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.
- l. An ability to effectively integrate IT-based solutions into the user environment.
- m. An understanding of best practices and standards and their application.
- n. An ability to assist in the creation of an effective project plan.

### **Assessment**

Direct assessment of student learning outcomes is primarily embedded into particular courses – with the exception of outcome h, which is assessed based on ACM club data. The table below shows the mapping of outcomes and courses.

IT 490 (*Plishka*): *b,c,f*  
IT 490 (*Advisor*): *i,j,k,l,m,n*  
ACM data (*Bishop*): *h*  
IT 310 (*TBD*): *e,g*  
IT 241 (*Bi*): *d*  
IT 244 (*Jackowitz*): *a*

### **Revision of outcomes and objectives**

Faculty, student and alumni input is used to update the PEOs and SLOs. Student input is gathered in the form of senior exit surveys. Alumni feedback is collected in the form of an alumni survey.

### **Timeline**

Assessment is conducted on a 6 year cycle as shown below:

Year 1: Course based assessment/recommendations for improvement

Year 2: Implement recommendations

Year 3: Course based assessment/recommendations for improvement

Year 4: Implement recommendations

Year 5: Course based assessment/recommendations for improvement

Year 6: Implement recommendations, analyze alumni survey/senior exit surveys, update PEOs/SLOs