

Information Technologies Division

Mission

To develop professional competence in computer-related technologies enabling continued learning and successful competition in the workplace.

Vision

The Division of Information Technologies sustains a vision to:

- Prepare individuals to be active practitioners and leaders within the constantly evolving economical, social, organizational and technological systems impacted by the continuing emergence of new, computer-related technologies.
- Develop those qualities necessary for individuals to be employable, promotable and adaptable technical professionals through the creation and facilitation of high-quality, applications-focused projects in unique, technology-enriched learning communities.
- Work collaboratively with external organizations to respond to the changing needs of Oklahoma and society.

Core Values

Excellence – We seek excellence in all our endeavors, and we are committed to continuous improvement.

Intellectual Freedom – We believe in ethical and scholarly questioning in an environment that respects the rights of all to freely pursue knowledge.

Integrity – We are committed to the principles of truth and honesty, and we will be equitable, ethical, and professional.

Service – We believe that serving others is a noble and worthy endeavor.

Diversity – We respect others and value diversity of opinion, freedom of expression, and other ethnic and cultural backgrounds.

Stewardship of Resources – We are dedicated to the efficient and effective use of resources. We accept the responsibility of the public's trust and are accountable for our actions.

Goals, Critical Success Factors, Objectives, and Strategies

Goal One. Enhance academic excellence of Information Technologies (IT) program.

Critical Success Factors:

- Develop online/hybrid courses for all core coursework in IT curriculum
- Establish admission standards for Bachelor of Technology degree
- Incorporate at least 1 service-learning project in each IT plan of study
- Host at least 3 student seminars with external IT experts per year.

Objectives:

Objective 1.1: Increase student and IT personnel interaction with industry professionals.

Strategy:

- Establish pool of IT experts willing to conduct academic seminars on various IT-related topics.

Objective 1.2: Institute data-driven entrance requirements for entry into Bachelor of Technology in Information Assurance and Forensics program.

Strategies:

- Research entrance standards for similar programs area institutions.
- Work with Office of Institutional Research and Development to identify key criteria for student admission evaluation.

Objective 1.3: Incorporate practical and meaningful service-learning opportunities for all students undertaking IT degrees.

Strategies:

- Identify ongoing community projects suitable for service-learning opportunities.
- Identify classes where service-learning components are most appropriate.

Objective 1.4: Accommodate a wider range of student scheduling needs.

Strategy:

- Poll prospective, existing and past students to identify optimum course delivery mechanisms.

Goal Two. Improve student recruitment, enrollment and retention.

Critical Success Factors:

- Increase student enrollment to 215
- Implement tutoring services for IT students
- During fall and spring terms, allocate the equivalence of at least 1 work-study position to student recruitment
- Work with Prospective Student Services to develop mechanism(s) for prospective student follow up
- Work with Prospective Student Services on establishment of at least 1 annual initiative directed to recruitment of underrepresented populations
- Develop survey for current IT students to acquire information for use in divisional recruitment

Objectives:

Objective 2.1: Increase student enrollment

Strategies:

- Institute 2 annual IT-specific scholarships.
- Improve first to second semester student retention.
- Develop a formal recruitment follow-up process.
- Develop profiles for use in targeted student recruitment initiatives.
- Utilize student recruiters in directed recruitment activities.

Objective 2.2: Implement IT tutoring services for students.

Strategies:

- Dedicate one work study position each semester for IT tutorship.
- Promote tutoring services to all students enrolled in IT coursework.

Goal Three. Improve unit infrastructure, technology and facilities.

Critical Success Factors:

- Implement a computer rotation program for lab/personnel computers
- Implement an IT security/forensics laboratory
- Update EET/IT 12, 6, 4 and men's restroom
- Implement wireless Internet and network access in NCAT and EET/IT common areas
- Collaborate with Computer & Information Services to implement a 24/7 computer lab
- Update poorly functioning infrastructure components (i.e., networking components, phone services, flood control, heating/cooling systems, etc.)

Objectives:

Objective 3.1: Develop ever-green plan for updating lab/personnel computers and furniture .

Strategy:

- Document specific information on condition of divisional computers and furniture.

Objective 3.2: Improve physical appearance of unit.

Strategy:

- Collaborate with Physical Plant for ongoing repairs and updates to NCAT and EET/IT Buildings.

Objective 3.3: Improve student network and Internet access.

Strategies:

- Collaborate with Computer & Information Services in the specification and implementation of wireless access for students in NCAT and EET/IT Buildings.
- Disseminate information to prospective students regarding system requirements for wireless access.

Objective 3.4: Provide students with greater access to IT learning environments.

Strategies:

- Extend computer lab hours.
- Work with appropriate vendors to determine viability of using existing Smart Card technology for computer lab access.

Goal Four. Enhance unit resources and growth.

Critical Success Factors:

- Create an endowed professorship
- Create new position within IT dedicated to oversight of external relations
- Work with Institutional Advancement Office in submission of at least 1 funding initiative proposal per year
- Increase unit personnel and classroom/lab space in proportion to student enrollment
- Provide all personnel in IT unit with at least one meaningful professional development opportunity per year

Objectives:

Objective 4.1: Acquire additional funds and in-kind donations.

Strategies:

- Participate in at least 1 external funding competition per year.
- Leverage industry contacts for solicitation of funds and learning media.

Objective 4.2: Institute regular professional development opportunities for IT personnel.

Strategies:

- Leverage industry relations to identify personnel professional development opportunities.
- Encourage and facilitate faculty cross-training as appropriate.

Objective 4.3: Implement position responsible for oversight of unit external relations, to include: recruitment and marketing media development, on-campus tours and employer visits, donation acquisitions and cooperative enrollment agreement updates.

Strategy:

- Develop position description for IT External Relations Coordinator.

Goal Five. Increase strategic alliances and partnerships through support of community building and economic development initiatives.

Critical Success Factors:

- Implement summer professional-development workshop for area high school and Career Technology Center instructors
- Work with Student Affairs to develop articulation agreements with 5 higher education institutions
- Develop strategic alliances with 5 organizations with strong IT units
- Provide direct support to at least 1 community organization every semester

Objectives:

Objective 5.1: Increase interaction with area high schools, Career Technology Centers and high education institutions.

Strategies:

- Survey area high school computer teachers and Career Technology Center instructors to determine how the Information Technologies can best support them.
- Visit county high school computer classes at least once per year.
- Contact representatives of area two-year institutions regarding the development of articulation agreements.

Objective 5.2: Develop partnerships with external IT organizations.

Strategy:

- Work with IT Advisory Committee to identify, contact and develop relations with key IT-related organizations.

Objective 5.3: Serve community through program-related, service-learning projects.

Strategy:

- Create and implement web page for submission of service-learning projects by external parties.

Objective 5.4: Deliver customized training through external linkages.

Strategy:

- Develop media appropriate to marketing training to area organizations.