

DEPARTMENT OF MANAGEMENT SCIENCE and INFORMATION SYSTEMS

Mission

The Management Science and Information Systems Department educates and develops undergraduate and graduate students for positions of leadership, contributes to knowledge through quality research, and participates in multi-faceted partnerships providing valuable benefits and services to our many stakeholders.

Vision

The Management Science and Information Systems Department will be a premier information system department with excellence in instruction, research and outreach.

To accomplish this:

- The Management Science and Information Systems Department will provide educational excellence in technical and management topics of information systems, telecommunications, management science, information systems security and related areas, providing students with the necessary skills to be life-long learners, intellectually and ethically prepared to serve and lead in today's complex global information society;
- The Management Science and Information Systems Department faculty will produce research of significant and enduring impact that will bring national recognition to Oklahoma State University;
- The Management Science and Information Systems Department will provide quality service through various outreach programs to selected state, regional and national communities;
- The Management Science and Information Systems Department will be student-centered, scholar-driven, community-focused and performance-based; and
- The Management Science and Information Systems Department's culture will support diversity, individual rights, academic freedom, high aspirations and an open and participatory environment.

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 others ethnic and culture 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.

Collegiality – We embrace a culture of mutual respect, caring and positive interaction.

Goals, Critical Success Factors, Objectives, and Strategies

Goal One: Enhance faculty/department recognition in scholarship in conjunction with the Institute for Research in Information Systems and the Center for Telecommunications and Network Security.

Critical Success Factors (measures the degree of success over the next 5 years):

- 1 journal article (yearly average) in the Dean's List journals
- 4 journal articles (yearly average) in the Departmental 'A' list journals
- 12 journal articles (yearly average)
- \$250,000 of external funding (yearly average)
- Appearance on one 'academic' lists (e.g., INTERFACES) as a Top 50 Management Information Systems department
- Host one national meeting in the next 5-7 years
- Host three regional/local academic conferences/symposiums in the next 3 years
- Active in professional organizations, officers, etc.
 - 3 conference track/mini-track chairs
 - 1 national officer in professional organizations
 - 1 journal editorship/senior/area/departmental editorship
 - 4 editorial board memberships/associate editorships
- New budget allocations of \$10,000 per year to support non-salary initiatives
- New yearly salary budget increased by \$150,000 to bring productive faculty to 'median' Big XII salary levels

Objectives:

Objective 1.1: Enhance research output through college/department activities.

Strategies:

- Pay submission fees for journal submissions.
- Provide release time for faculty active in journal editorships/sponsored research.
- (Dean's Program) provide research awards for top journal publication.
- Utilize merit pay program to reward faculty active in research.
- Develop program that addresses salary inequities for productive research faculty.
- Provide research assistants for research faculty.
- Strengthen doctoral program.

Objective 1.2: Enhance and encourage professional organization leadership.

Strategies:

- Provide space, administrative support and travel funding for officers/editorial positions in national professional organizations.

- Provide travel funding for ‘national, premier’ professional meeting paper presentations.
- Fund involvement in professional organizations.

Objective 1.3: Support the activities and initiatives of Institute for Research in Information Systems and Center for Telecommunications and Network Security.

Strategies:

- Provide support for the departmental research seminar series.
- Host guest academic speakers for research collaboration.
- Provide physical space and research facility showcase for Institute for Research in Information Systems and Center for Telecommunications and Network Security (funded in part with reallocated Grant Indirect Cost money).
- Provide support for a research paper pre-submission editing program.
- Provide support (in conjunction with College of Business Administration) for visiting scholars.
- Develop collaborative research support with industry partners.
- Provide support for other national prominence activities associated with the specialized centers and institutes.
- Provide support for external research funding initiatives.
- Create an Institute for Research in Information Systems Advisory Subcommittee on the Management Science and Information Systems Advisory Board providing funding support and research prioritization counsel.

Goal Two: Implement program improvements and innovations in the Management Science and Information Systems Ph.D. Program.

Critical Success Factors (measures the degree of success over the next 5 years):

- 50% of graduates placed at comprehensive, AACSB-accredited universities
- 100% of graduates with at least 1 conference presentation
- 50% of graduates with at least 1 refereed publication
- Increase in Ph.D. stipend budget of \$15,000 per year

Objectives:

Objective 2.1: Increase the quality of incoming Ph.D. students.

Strategies:

- Enhance recruiting efforts at reputed schools domestically and internationally.
- Enable web-based application process.
- Develop external funding for Ph.D. fellowships.
- Increase admission standards as appropriate.

Objective 2.2: Improve the Ph.D. 'process'.

Strategies:

- Ph.D. Coordinator and Department Head provide semi-annual progress reviews to Ph.D. students.
- Increase early coursework focus on research.
- Institute qualifying exams after 1.5 years with focus on research.
- Encourage early involvement with national organizations and conference activities.

Objective 2.3: Provide incentives to doctoral students in the latter stages of the program.

Strategies:

- Provide at least 1 semester of reduced teaching load for students who have completed all requirements except completing their dissertation.
- Provide partial funding for at least 1 trip to national meeting for Doctoral Consortium/Interviewing.
- Provide partial funding for 1 other trip for paper presentation.
- Provide funding when appropriate for data collection/software.

Goal Three: Implement program improvements and innovations for the departmental specialized masters programs – the Master of Science in Management Information Systems program and the Master of Science in Telecommunications Management program.

Critical Success Factors (measures the degree of success over the next 5 years):

- Master of Science in Management Information Systems Program – 100 total cumulative graduates by Spring 2008.
- Master of Science in Management Information Systems Program – 120 students enrolled by Fall, 2008.
- Master of Science in Telecommunications Management program – 150 students enrolled in STW by Fall, 2008.
- Master of Science in Telecommunications Management Program – establish one educational alliance with international organization.
- National Security Agency certification as a ‘Center of Excellence’ in Information Assurance.
- Creation of at least 1 additional area of concentration for the Master of Science in Management Information Systems Program.
- Hire 1 additional faculty to support increased class offerings.

Objectives:

Objective 3.1: Enhance the Master of Science in Management Information Systems program.

Strategies:

- Add certificate programs and other specialized option areas as demand warrants.
- Develop additional relationships with industry partners.
- Enhance marketing efforts in conjunction with Master of Science in Telecommunications Management program.
- Continuously develop novel asynchronous class options.
- Support instructional innovations through software support, etc.
- Develop partnerships with other educational institutions as appropriate.

Objective 3.2: Enhance the Master of Science in Telecommunications Management program.

Strategies:

- Add certificate programs and other specialized option areas as demand warrants.
- Develop additional relationships with industry partners through the Master of Science in Telecommunications Management Advisory Board.
- Enhance marketing efforts in conjunction with Master of Science in Management Information Systems program.
- Continuously develop novel asynchronous class options.
- Support instructional innovations through software support, etc.

- Develop partnerships with other educational institutions as appropriate.

Objective 3.3: Create additional areas of concentration.

Strategies:

- Develop a sequence of classes in information and telecommunications security.
- Develop a sequence of classes in various options for the Master of Science in Management Information Systems area (data mining, enterprise systems, etc.).
- Support the Master of Science in Telecommunications Management program to obtain an National Security Agency certification as a 'Center of Excellence' in Information Assurance.
- Monitor industry trends to allow appropriate, responsive changes to Master of Science in Telecommunications Management and Management Information Systems graduate curriculum.
- Add 1 additional Management Science and Information Systems faculty to support concentrations.

Goal Four: Enhance and support other College of Business Administration programs, including the Master of Business Administration.

Critical Success Factors (measures the degree of success over the next 5 years):

- Fund 3 master student assistantships (yearly average) through external grants
- Master of Business Administration core class evaluations average (overall rating) at 3.2 or above
- Add 1 additional faculty member at Oklahoma State University-Tulsa to support undergraduate Management Information Systems program

Objectives:

Objective 4.1: Assign appropriate instructional resources to Master of Business Administration classes.

Strategies:

- Provide graduate student support to Master of Business Administration faculty.
- Work closely with Master of Business Administration Director on course content, delivery, etc.

Objective 4.2: Fund additional graduate students.

Strategies:

- Facilitate, through Institute for Research in Information Systems, external grant work that includes funding for graduate students.

Objective 4.3: Increase undergraduate offerings at Oklahoma State University-Tulsa.

Strategies:

- Work with Oklahoma State University-Tulsa Marketing Unit to increase student enrollments.
- Develop degree specialization that allows 'full' marketing to Tulsa community.
- Hire 1 additional Management Science and Information Systems faculty in Tulsa.

Goal Five: Implement program improvements and innovations for the undergraduate Management Information Systems and Management Science Computer Systems programs.

Critical Success Factors (measures the degree of success over the next 5 years):

- Have 30 student members of the Association of Information Technology Professionals student organization by Spring, 2005
- Have 10 Management Information Systems Advisory Group members by Spring 2005
- Fund 2 undergraduate Management Information Systems students in a 'research program' by Fall 2005
- Develop one new area of specialization
- Hire 1 additional faculty to support initiatives at the undergraduate level
- Fund a new Advanced System Development Lab (approx. \$150,000) for Management Information Systems students, including assistantships and work study opportunities

Objectives:

Objective 5.1: Review undergraduate programs annually.

Strategies:

- Conduct and respond to program assessments.
- Develop desired learning outcomes on course-by-course basis.
- Create new specializations as appropriate.
- Engage Management Information Systems Industry Advisory Group (see below) on program reviews.
- Encourage and support innovative instructional approaches through software support, etc.
- Add 1 Management Science & Information Systems faculty to support programs.

Objective 5.2: Provide additional career/professional development activities.

Strategies:

- Create a Management Information Systems Industry Advisory Group.
- In conjunction with Institute for Research in Information Systems, develop an undergraduate research program.
- Create a new Management Information Systems student organization affiliated with a national organization (Association of Information Technology Professionals) to provide student leadership opportunities.
- Work with various organizations to promote Management Information Systems programs to underrepresented groups.
- Create a new Advanced System Development Lab for Management Information Systems students.

Goal Six: Increase stakeholder/peer recognition.

Critical Success Factors (measures the degree of success over the next 5 years):

- Appearance on specialized Top 50 list of Management Information Systems departments by 2008
- Increase number of individual department excellence fund contributions by 10% annually
- Increase the number of extension and outreach programs each year by 10%

Objectives:

Objective 6.1: Improve national recognition of the department.

Strategies:

- Publish departmental newsletter twice yearly.
- Support Institute for Research in Information Systems/Center for Telecommunications and Network Security initiatives related to research visibility.
- Create a yearly 'speaker' program/conference event (industry sponsored).
- Development of themed industry-sponsored symposiums.

Objective 6.2: Increase participation with departmental stakeholders.

Strategies:

- With Oklahoma State University Foundation, develop additional sources for contributions.
- Continue to work with ConocoPhillips to help continue their funding.
- Encourage faculty to develop outreach programs.
- Innovative use of departmental web site to stay in contact with alumni.