2001-2002 Informatics/Media Arts and Science

Section	Document Name

Mission

"Informatics" is the study and application of information technology to the arts, sciences, and professions, as well as the use of information technology in organizations and society at large.

The mission of the school is to empower the economic development of the state by providing graduates with the knowledge and skills to effectively and creatively use information technology and digital technologies in our rapidly changing society. The goal of the school is to offer interrelated degrees that complement existing academic programs and to expand opportunities for careers involving information technology.

Goals and Objectives

1. The School of Informatics will have a community of degree seeking students who are committed to achieving their academic goals.

a. To recruit students from central Indiana and beyond.

Campus Planning Theme: Campus Climate for Diversity
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

Continued marketing and development of the five new degrees previously approved. Revised both an undergraduate and a graduate bulletin containing academic policies and procedures, degree requirements, and course descriptions. Ongoing international relationships with institutions and organizations in Germany (Univ. Bremen) exchange program to provide diversity to student body. Ongoing efforts to offer School of Informatics courses and to develop projects. Provided orientation breakfasts, Ivy Tech presentations, Informatics graduate program presentations to colleges within a 50 mile radius of Indianapolis, a new kiosk, brochures, CD's, promotional videos, bi-yearly Informatics forums for parents and counselors, creation of the "Informatics Experience" forums, and summer camps. Widely publicized the school at the Indiana State Fair, August 2002. Also, this spring New Media will sponsor a groundbreaking event: Interface Symposium 2003, Celebrating Digital Storytelling, Multimedia Communication and Computer Artistry hosting practitioners and executives from prominent national and regional New Media industries. Students, prospective students, parents and the community will meet industry professionals in two days of workshops and programs covering innovative techniques in topics to include special effects, conceptual illustration and interactive design and animation. Invited guests will draw upon their experiences with Sony Entertainment, Cartoon Network, DC Comics, Walt Disney, Marvel Entertainment Group and local industry including Thomson Corporation and Innovative Edit.

Evidence of Progress for 2001-2002:

Enrollments are surging and have exceeded preliminary projections for the third year. Credit hour generation increased 65% from year 2000 to year 2001, and has increased proportionally through 2002 and spring, 2003.

Activities planned for 2002-2003:

Continue recruitment in local high schools to identify top talent through school counselors and faculty in related areas. In cooperation with the International Affairs office, establish recruitment and program marketing in Southeast Asia, Europe and the Middle East. Faculty members Anthony Faiola and Josette Jones, are hosting an international HCI conference in Crete, Greece this summer.

b. To motivate students to persist in achieving their academic goals.

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

Developed School of Informatics Student Council, consisting of four undergraduates and a student services staff member. This council exists to provide a forum for student concerns, including issues specific to the working, urban, commuter student that the campus and school serves. Provided seminars and workshops to encourage extended study within different tracks of the curriculum. Supported professional development of four Student Services staff members who attended the "First Year Experience Conference" to obtain information and best practices on creating an environment of success for incoming students. Established a student newsletter dealing with issues important to their discipline and career development. Newsletter is in its second volume.

Evidence of Progress for 2001-2002:

Retention rates and CHG is meeting projections.

Activities planned for 2002-2003:

Build comprehensive plan to interface with campus-wide plans for the retention of students through activities in University College and partner schools.

c. To retain students throughout all degree programs.

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

Showcased student work on the school's web page, thereby providing exposure to internal and external audiences and garnering recognition for student accomplishments. Hosted student chapters and professional organizations in the fields of information technology, graphic design, programming, animation, and video/audio editing. Recognized students who achieved excellence in education (i.e., GPAs) by personally congratulating them on their accomplishments (via letters, phone calls, etc.) and by hosting a recognition event with certificates presented in their honor. Ongoing success with learning communities for freshman-level classes to provide additional academic support for incoming students.

Established student forums. Initiated a new internship class at the sophomore level to assist students through the sophomore slump. Initiated, refined, and/or assessed standards related to increased writing, research, and presentation requirements in most courses. Incorporated undergraduate principles of learning in all courses. Developed the foundation to simulcast courses offered at both IUPUI and IUB utilizing faculty expertise. Taught two classes via web-only instruction per student requests.

Evidence of Progress for 2001-2002:

Student retention is stable. Currently tracking first and second year, first time college students to build longitudinal profile.

Activities planned for 2002-2003:

Continue ongoing strategies to build upon current campus initiatives. Online techniques including streaming video being developed. "Access Grid" for new Informatics Complex designed for facility - will permit remote teaching and learning for curriculum.

d. To provide excellent internship/capstone project opportunities.

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

Required students to complete a capstone experience consisting of one of the following components: internship, portfolio of professional work, or senior project. Conducted a summative faculty review of student work. Facilitated student contacts with other IUPUI academic or administrative units and/or external organizations to provide projects related to information technology, graphic design, programming, animation, and video/audio editing. Professor Doug Perry co-authored a paper with Lingong Mao based on thesis work. Additional international conference presentation with graduate student Naveen Vinnkonda being done by Prof. Perry. Working Committee of Dean's Advisory Council developing internship/capstone contacts for school. Web page developed to facilitate contact with business/industry. (First introduced at Connect Tech, January 2003.)

Evidence of Progress for 2001-2002:

School has had good results from project opportunities and internships, with companies requesting future interns. Participating companies and organizations include Delphi electronics, IU School of Medicine, Teacher's Credit Union, Eiteljorg Museum, Girl's Inc., American Academy of Sports Medicine, and Ruth Lilly Health Education Center.

Activities planned for 2002-2003:

Extended invitations to technology businesses at Connect Tech to give companies opportunities to speak at seminars and network with students. Resulted in speaker series for both bio-informatics and undergraduate informatics courses.

2. The School of Informatics will have a faculty of the highest quality representing the core disciplines in its diverse degree programs.

a. To market Informatics as a prestigious school providing great opportunity for faculty to develop rewarding academic careers.

Campus Planning Theme: Best Practices
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

Developed an engaging and easy to use web site as a marketing tool and point of inquiry for prospective faculty. Web design and "look" consistent with IUB and represents Informatics as an integrated school throughout its campuses. Faculty and administrators have presented at conferences throughout the US and abroad to describe Informatics as a discipline, and interest prospective faculty recruits. Announcements from prior position vacancies in the Chronicle of Higher Education and other journals are building an awareness of the school throughout the academic community. Active recruitment underway for new faculty.

Evidence of Progress for 2001-2002:

A pool of applicants is currently being built from inquiries. Requests about the school are being received weekly. Web data of site visits from around the world indicates growing interest. Web design phase well underway as prototypes being reviewed by faculty committee.

Activities planned for 2002-2003:

Complete revision of New Media web site planned for June 2003. Faculty announcements of position vacancies will be implemented prior to January 2003, and advertisments will be placed in national journals, web sites related to specific disciplines, and professional contacts through related organizations will be made.

b. To identify both established and promising talented and energetic faculty from the state, nation, and world.

Campus Planning Theme: Best Practices
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

Search and screen committee developed listings of resources for recruitment and identification of prospective faculty. Staff followed up on contacts and referrals from many sources. Searches currently underway in both Informatics and New Media seeking expertise in core areas of laboratory informatics, general informatics, New Media (graphics), Health Information Administration clinical experience, and Geographic Information systems.

Evidence of Progress for 2001-2002:

Inquiries about the program are continuing with ongoing interest by individuals from the business sector to obtain adjunct appointments. Recent letters of intent to apply for positions are attracting individuals from major health and IT sectors including pharmaceutical companies and NCSA.

Activities planned for 2002-2003:

Build a data base of leading institutions with Informatics-related disciplines to identify talented graduate students in established doctoral programs ancillary to Informatics. Continue by word of mouth, conference contacts, advertisements, and referrals to identify most promising faculty recruits.

c. To hire excellent faculty in areas of demand within growing academic programs.
Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

Hired four fulltime tenure track faculty in New Media and Informatics, all with terminal degrees and industry and academic experience. In Fall, 2002 C.K. Chang (joint with CSCI) and Josette Jones (joint with Nursing) joined faculty. Offer is pending to an internationally renowned faculty member in laboratory informatics, and search is concluding for jointly appointed faculty member in GIS/Geography/Informatics and clinical appointments for Health Information Administration.

Evidence of Progress for 2001-2002:

Faculty recruitment and hiring implemented as scheduled.

Activities planned for 2002-2003:

Hire two additional fulltime faculty members for 2002-2003 academic year in the areas of general informatics and New Media. Possible joint hires with the department of Computer and Information Science and Informatics for a faculty member with expertise in general informatics. Conversion of two visiting lecturer appointments to lecturer and senior lecturer ranks planned.

d. To support and retain current and newly hired faculty.
Campus Planning Theme: Best Practices
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

Granted startup packages to new fulltime tenure track faculty. Balanced teaching loads with one course per year

Granted startup packages to new tenure track faculty. Balanced teaching loads with one course per year reduction during initial two years for faculty to establish research agenda with partial summer stipend included. Conducted peer reviews for classroom effectiveness including external reviews by Office of Professional Development.

Evidence of Progress for 2001-2002:

New faculty are actively engaged in teaching and developing sustainable research agendas.

Activities planned for 2002-2003:

Will adjust start-up fund packages to be competitive with competing institutions. Conduct informal grantsmanship seminars for faculty to cultivate external funding opportunities for desired research/teaching activity. Plan ongoing conference activities including presentations at ConnectTech. Provide optimum desktop computing for faculty under the life cycle replacement fund established by the university and underwritten by the School. Provide for grant collaborations to help establish faculty development of external funding.

3. The School of Informatics will have an active and robust research program focused upon human need that builds upon existing strengths of the university, state, and beyond.

a. To institutionalize the Informatics Research Institute as a place of synergy to develop and explore new ideas in Informatics and related fields.

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

Appointed Dr. Mathew Palakal as director of the Informatics Research Institute (IRI) at IUPUI. IRI formally approved by the Indiana University Board of Trustees.

Evidence of Progress for 2001-2002:

Grants from Informatics, CSCI, currently submitted to the NSF, IMLS, NIH. PI's or Co-PI's include faculty from these schools/departments and the Pervasive Computing Laboratories.

Activities planned for 2002-2003:

Systematically directing faculty research through the IRI as a place of collaboration.

b. To develop an aggressive agenda of fundable research ideas supporting collaborative models whenever possible.

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing

Time Frame: Ongoing.

Actions taken for 2001-2002:

Developed follow-up proposal to International Museum Library Society and investigated additional funding sources. Submitted joint proposal with the Ruth Lilly Health Education Center to the Lilly Endowment for a $3,0000,000 grant: Health Education in the 21st Century. Professor Steve Mannheimer developed a proposal to Nursing Library at Sigma Theta Tau for redesign of its website and future approaches for aggregating, analyzing, and distributing nursing research. Josette Jones received $20K from Mayo Clinic.

Evidence of Progress for 2001-2002:

CLIOH Project funded by International Museum Library Society in its first phase. Long sought approval obtained from the Cambodian government for the CLIOH project to archive and digitally preserve "Angkor Wat". Ruth Lilly Health Education Center grant funded by the Lilly Endowment, January 2003. Term of grant, 3 years. As sub-contract, $1,200,000 awarded to the IRI (School of Informatics). Darrell Bailey, principle investigator. Steve Mannheimer awarded $20,000 from Henderson International Nursing Library for development of future technology approaches to analyze and distribute nursing research.

Activities planned for 2002-2003:

Continued development of the CLIOH Project through subsequent phases.

c. To create laboratories and administrative space for the research efforts of faculty and research staff.
Campus Planning Theme: Campus Climate for Diversity
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

Obtained transitional office space in the Walker Plaza building and moved laboratories from the old Law building to Mary Cable building. Acquired additional office space in the Polis Center. Created lab for sole use of HIA program in the Mary Cable building. Acquired laboratory teaching space for laboratory informatics in the newly completed School of Medicine's Biotechnology Research and Training Center. Assisted architects in design and development phase of the Informatics Complex. Added expertise of Jim Buher as SOI Chief Financial Officer and Facilities Manager to the Informatics Complex review team.

Evidence of Progress for 2001-2002:

New labs set up in the Mary Cable building; new offices set up in Walker Plaza Building. Constructions of Informatics Complex currently at third level of superstructure. Completion date scheduled spring, 2004 - first classes scheduled to meet in building fall, 2004.

Activities planned for 2002-2003:

Seek funding for building equipment, furniture, and display technology. Sustain existing lab and office space on campus for the next two years. With move to new complex, will seek to retain space in Walker Plaza building and Mary Cable building to accomodate growth of programs.

d. To seek ongoing and sustainable sources of funding for individual and collaborative faculty research projects including progam development.

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

In cooperation with the School of Medicine, began an Electronic Laboratory Notebook (ELN) implementation project in a research lab in the division of Pulmonary Medicine. In cooperation with the School of Medicine, began planning for Laboratory Information Management System (LIMS)implementation and laboratory informatics training in the Biotechnology Research and Training Center. Allocated preliminary internal funding for startup administrative and implementation costs for the IRI at IUPUI.

Evidence of Progress for 2001-2002:

Bioinformatics graduate student was assigned to the ELN project for his thesis research. Sloan Foundation awarded a $75,000 grant to fund first phase of laboratory informatics program which includes LIMS implementation. The school has been fortunate in its partnership with INGEN in the acquisition of teaching and research in the Bio Technology Research and Training Center (BRTC). This space and equipment has been the result of the development of laboratory informatics at IUPUI. To-date laboratory informatics has received additional commitments for laboratory informatics software, namely Sapphire from LabVantage (value is $200,000) and LabWare LIMS from LabWare USA (value is $200,000). Program director, Doug Perry, is also having direct and active negotiations with ThermoElectron for a donation of their full informatics software line (value would be $250,000+)

Activities planned for 2002-2003:

Research on the implementation of electronic laboratory notebooks (ELN) and laboratory information management systems (LIMS).

4. The School of Informatics will have active and dynamic collaborations with business, education and industry to cultivate mutual opportunities for students' internships, employment opportunities and faculty partnerships.

a. To establish a working group of business leaders committed to furthering the goals of Informatics and its contributions to the economy of the state.

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

The Dean's Advisory Council has convened for regular meetings since its formation in 2000. A chairperson of the Dean's Advisory was elected and began serving. Three working committees were formed with the assistance of the entire council: 1) Curriculum and Research, 2) External Affairs and Outreach, and 3) Corporate Partnerships and Development. Chairs and vice chairs of the working committees were identified and selected. Liaisons from Informatics faculty and staff were appointed to each of the working committees.

Evidence of Progress for 2001-2002:

All three committees and/or committee chairs are consistently working on initiatives independent of Council meetings. Work has included discussion of legislative initiatives, external messages for Informatics, scholarships for curriculum programs and partnerships for internships. Recognition of excellence for the leadership in information technology, and innovation in the academy was given to the School of Informatic at the CyberStar, 2002 gala event.

Activities planned for 2002-2003:

Include, involve, and invest business leaders in the growth and development of the school's future activities.

b. To identify and enhance fundraising and development opportunities.

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

Case statement developed and feasibility study completed. Naming opportunities researched and identified. Prospects identified. Annual giving campaign designed and implemented.

Evidence of Progress for 2001-2002:

Increased funding possibilities pending and significant increase in number of prospects measured. Giving opportunities with assigned spaces and amounts have been identified for the Informatics Complex.

Activities planned for 2002-2003:

Ongoing participation in the IUPUI Comprehensive Campaign. Develop naming opportunities for the Informatics Complex. Conduct ongoing annual giving campaign with mailing campaign continuation, November through January 30.

c. To provide ongoing internship opportunities.

Campus Planning Theme: Best Practices
Secondary Goals:

Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

Working committee of the Dean's Advisory Council chair committed to building internship opportunities. Identified and approached prospects for technical advisory boards. Researched industrial partnership program models.

Evidence of Progress for 2001-2002:

Student internships in projects undertaken increased by 124% between 2000 and 2001 and continue proportionally. Technical advisory board for HCI underway.

Activities planned for 2002-2003:

Develop and implement methods to build internship partnership and possibilities with corporations. Build technical advisory boards from industry for New Media, Bionformatics, Chemical Informatics, Laboratory Informatics and Health Informatics. Build an industrial partners' program for School of Informatics. In conjunction with Lilly internship program, develop time lines of internships incorporated into student academic programs.

d. To build awareness of ongoing state government support for Informatics and related university initiatives.
Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

Committee formed and convened. Significant lobbying on behalf of Informatics included participation in "Hoosiers for Higher Education" event in 2003. Presentations by Dean Dunn in 2003 to Senate Committee on behalf of Informatics funding for the biennium.

Evidence of Progress for 2001-2002:

Timeline, strategy and initial activities identified. Informatics is the number two priority for Indiana University's legislative funding stratgy.

Activities planned for 2002-2003:

Ongoing efforts of working committees of Dean's Advisory Council, External Affairs & Outreach to develop contacts, messages and a strategy for state government.

5. The School of Informatics will actively engage with the community in mutually beneficial projects to enrich the larger community and

3. The School of Informatics will actively engage with the community in mutually beneficial projects to enrich the larger community and its people.

a. To build relationships with museums and other not-for-profit organizations.

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

Developed interactive education and marketing tools for the following organizations as part of service learning and community outreach initiatives: Fine Arts Society of Indiana, Indiana State Museum, Eiteljorg Museum, Ruth Lilly Health Education Center, Children's Museum, Indiana Historical Society, Heartland Film Festival, MacAllister Awards, Indiana Humanities Council, and Indiana Chamber of Commerce. The CLIOH project partners included the Mathers Museum and the Indiana State Museum. Extending the reach of Informatics into the community has been achieved by a number of additional projects including internships and capstone projects with Indiana companies and not-for-profit organizations including Delphi Automotive, Teacher's Credit Union, the Renal Network of Indiana, Girl's Incorporated, Little Red Door Cancer Agency, Polis Center's "Indiana Online", Eiteljorg Museum's "The People's Place", the BOS Community Development Corporation, and the Ruth Lilly Health Education Center.

Evidence of Progress for 2001-2002:

Internship opportunities have been provided by the non-profit sector to provide students the real world experiences afforded by the Indianapolis urban environment. Recognition given by non-profit organizations for Informatics' civic engagement.

Activities planned for 2002-2003:

Establish a key presence in the "Tomorrow's Indiana" futures gallery and exhibit area of the new Indiana State Museum. Develop internships with the museum to connect New Media's ongoing projects with the New Media digital gallery in the Informatics Complex. Planning for the Ruth Lilly "Health Education for the 21st century" project will continue to focus on additional collaborative funding. NSF grant for supplemental Internet2 network connectivity currently being developed.

b. To work with K-12 populations.

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

First phase of implementation of grant awarded to the Ruth Lilly Health Education Center to upgrade legacy systems in teaching auditorium environments. Incorporating Pervasive Computing Labs (Polly Baker), Allied Health Sciences (Mark Sothman), Polis Center (David Bodenhammer)and Indiana Humanities Council (Diana Moon/Pete Knopf) into working on project.

Evidence of Progress for 2001-2002:

Initial phase of CLIOH funded. $1.2 million Ruth Lilly Center grant awarded.

Activities planned for 2002-2003:

Implementation of the K-12 component of the CLIOH project as a part of its summer academy. Ongoing collaboration with the Indiana Humanities Council "Smart Desktop".

c. To work with diverse populations in the community.

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: n/a
Time Frame: Ongoing.

Actions taken for 2001-2002:

Sent students to Dr. Martin Luther King, Jr. day festivities under the auspices of the School of Informatics Student Council. Conducted "Saturday School" open labs for IPS students in an effort to spark their interest in pursuing educational and employment opportunities in information technology fields. Provided consultation and support for after-school technology programs and computing with the Martin Luther King Jr. Center in Indianapolis.

Evidence of Progress for 2001-2002:

Building goodwill for the university as reflected in anecdotal comments from staff and faculty.

Activities planned for 2002-2003:

Develop "Bridging the Digital Divide" programs in conjunction with TechPoint (formerly INITA and CIP) foundation and others supported by School of Informatics.

Fiscal Health

As of January 2003, growth in the School of Informatics has met or exceeded projections developed during the program planning phase of the state approval process. Naturally, the move into our new building in 2004 will strain the operating budget of the school since funding will need to be reallocated for anticipated equipment in the building.

Undergraduate credit hour generation for the year 2003 increased 28%; undergraduate courses offered increased 18%; and undergraduate sections offered increased 25%. Graduate credit hours generated for the year 2003 increased 6%; graduate courses offered increased 30%; and graduate sections offered increased 34%. Full-time faculty increased 38% while adjunct faculty decreased 114%.

Current planning will result in a balanced budget for the 2002-2003 fiscal year.

Current planning will result in a balanced budget for the 2002-2003 fiscal year.

Reallocation Plan

For the current fiscal year $250,000 was received in the reallocation fund. Of this amount, $100,000 was allocated to the Health Information Administration Program and its ongoing needs. This included funds for administrative support, faculty salaries, and expenses. In addition to this reallocation, the School of Informatics assumed costs for recruitment, marketing and retention of students, new curriculum development, and alumni and donor cultivation.

The balance of $150,000 was allocated for new faculty hires, jointly appointed faculty with other departments/schools and as 100% hires for the School of Informatics. Those positions that were joint appointments were appointed with nursing, computer and information science, and engineering and technology (this was a reapportionment of FTE percentage). The full-time appointment for Informatics was an appointment for a faculty member from the Herron School of Art with transfer of tenure.

Other Question(s)