

College of Fine Arts

2002-2003 Vision Plan Proposal

January 25, 2002

COLLEGE OF FINE ARTS 2002-2003 VISION PLAN

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Executive Summary

In October 1991, the College of Fine Arts completed an exhaustive, two-volume report on computing needs in the College of Fine Arts. This vision plan for computing was subsequently submitted to The University's Faculty Computer Committee (cf. *Faculty Computer Committee Report, 1992-93.*) The plan focused on teaching and research, citing specific needs for student microcomputer facilities, multimedia learning environments, research laboratories, computer workstations for faculty and staff, a College-wide network, and an image database project.

Using allocations from the Faculty Computer Committee and its own resources, over the past ten years the College has systematically completed (or currently has in progress) all of the initiatives cited in the original vision plan. Therefore, the College embarked on a new plan to address information and instructional technology needs. The following plan not only continues to address needed infrastructure enhancements but also incorporates specific projects suggested by the College faculty. This blend of College-level oversight and program specific projects is intended to provide a seamless and effective technology environment for College of Fine Arts students, faculty and staff.

The College is requesting funding from the ITAC committee for several projects that address infrastructure, computer lab, technology classroom and curriculum needs:

Fine Arts Broadcast Facility, PAC 3.208	Fine Arts IT	\$	70,000
Gigabit Network Backbone	Fine Arts IT	\$	60,000
It Initiative (CIT Partnership)	Fine Arts IT	\$	10,000
Land Arts Program	Taylor	\$	35,835
Technology Classroom ART 1.110	Fine Arts IT	\$	40,000
Completed Technology Classroom in MRH 2.610	Fine Arts IT	\$	20,000
Music Performance Laboratory	Hilley	\$	9,000
Music Education Resource Center	Duke	\$	16,800
Partially Equipped Technology Classrooms MRH 4.116, 4.126, 2.614, 2.628, M3.110	Fine Arts IT	\$	50,000
Completed Technology Classroom in M3.112	Fine Arts IT	\$	20,000
	Estimated Total:		\$331,635

Each project builds on the already established infrastructure and will enhance instructional technology for students in meaningful ways.

Vision, Goals and Recent Progress

The original vision plan for the College of Fine Arts (*Report on Computing in the College of Fine Arts*, October, 1991) was intended to provide a strategy "for the integration of computing resources into the curriculum development, instruction, research, performance production, and administration" of the College. In the ten years since that report was completed, the College has annually made systematic and consistent progress toward the realization of those goals. The College has also made commensurate progress toward the following goals identified by the Faculty Computer Committee in its report *toward the Virtual University*, May 22, 1995.

- Universal access to information technology
- Provide seamless, easy-to-use, and secure network access to information for study, teaching, research, and administration
- Develop new models of instruction based on innovations in information technology

All College of Fine Arts undergraduate and graduate majors have access to information technology through computer facilities and networks that we have established, including a central computer laboratory located in the Fine Arts Library and computer laboratories in each of our three academic departments. Preceding University-wide efforts, we also provided our entire tenured and tenure-track faculty with computers and network access.

Armed with computer and network access, faculty in all three departments have reshaped existing courses, developed new courses, and implemented innovative teaching methods based on the new technologies (e.g., music theory, choreography, computer art for studio artists, etc.).

During the last ten years, we have provided students with computer laboratories, faculty with computers and network access, and the College with teleconference and computer-based teaching facilities. We have also provided funding and equipment to faculty who have made the commitment to develop courses that employ technology-based instruction, and that has increased the use of the high-tech infrastructure that is already in place.

In preparation for the last two Vision Plan cycles, College faculty were asked to recommend projects suitable for ITAC funding as well as a ranking of each project's departmental priority. The Fine Arts IT staff, which supports technology throughout the College, also recommended several projects. Since the College had funding remaining in FY 2000/2001 from other ITAC allocations, many of the suggested projects were funded immediately. Others were funded with additional ITAC funding awarded during FY 2001-2002. The following tables summarize ITAC expenditures for fiscal year 2000/2001 and the current year. A brief set of project descriptions follows each table.

2000-2001 Allocations

Project Title	Sponsor	Allocation
Digital Darkroom	McFarland	\$25,836
Slide Digitizing	Bourget	\$23,680
CHAAC Website	Kappelman & Grube	\$23,390
Theatre and Dance Technology Classroom	Fine Arts IT	\$55,000
Jazz Lab Upgrade	Lawn	\$6,420
Digital Keyboard Labs	Hilley	\$132,611
Videotaping for Directing Students	Bloom	\$11,300
Computer Image Development	Schmidt	\$13,809
Slide Digitizing	Canning	\$28,680
	Total Allocations	\$320,726

Digital Darkroom/ Dry Darkroom Process

Expand the current undergraduate/graduate offering in studio photography by recognizing a new photographic technology and establishing new procedures and processes for photo related production. Become more environmentally responsible by reducing the amount of photo chemicals added to our drinking water and our landfills.

Art History Slide Digitizing

Produce high resolution digital images from 35mm slides and “flat” materials to be used in Art History undergraduate classes.

Website for CHAAC, the Center for the History of Ancient American Cultures

Construct an “umbrella” website for CHAAC, the Center for the History of Ancient American Cultures to take advantage of the clear educational benefits that such technology offers to students pursuing study in the indigenous arts of the Americas.

Theatre and Dance Technology Classroom

Implement the current campus Technology Classroom standard in Winship 3.120.

Jazz Lab Upgrade

Allow jazz students to take advantage of recent advances in automatic accompaniment software by replace aging computers and sound equipment with current models.

Digital Keyboard Laboratories – School of Music – MRH 4.180 and 4.194

Bring the present digital keyboard laboratories up to code and in line with the technology currently available. This upgrade makes the two labs on-line-capable for group keyboard instruction and graduate pedagogy training.

Videotaping: A tool for Directing Students

Use video technology to enhance stage directing classes in the Department of Theatre & Dance by capturing scene and production work on videotape thus allowing for its later review by both faculty and students.

Course Material Creation: Computer Image Development for Theatrical Designers

Prepare Photoshop templates and other course materials, assist students outside of class with scanning as part of the process of developing scenic design sketches and paint elevations, and maintain a large format printer with high quality presentation paper for students final output of projects.

Creation of Theatre and Dance Digital Image Collection

Produce high resolution digital images from 35mm slides and “flat” materials to be used in Theatre History and Criticism classes.

Project Title	Sponsor	Allocation
Three Design Projects	Mitrasinovic	\$ 43,770
Vocal Arts Lab (Equipment & Software Integration)	Wiley	\$ 29,660
EMS	Pinkston	\$ 11,504
MRH Smart Classrooms, partially equipped, MRH 2.610, M3.112, 4.130, 2.634, M3.114, 2.604 (six classrooms: video projector, document camera, laptop bundle, furniture)	Fine Arts IT	\$ 69,000
Vocal Arts Lab, Renovation and Expansion MRH 4.138 (FY 2002-03)	Fine Arts IT	\$ 51,075
FAML Workstation upgrade	Fine Arts IT	\$ 52,500
IT Initiative (CIT Partnership)	Fine Arts IT	\$ 10,000
Winship Technology Classroom (refinements: carpet and ceiling replacement)	Fine Arts IT	\$ 16,900
10/100 Network Switches	Fine Arts IT	\$ 20,000
Insight imaging software	Fine Arts IT	\$ 10,000
Maintenance and Contingency Reserve	Fine Arts IT	\$ 30,000
	Total Allocations	\$344,409

2001-2002 Allocations

Three Design Projects

Move the Design Division from a 2-D based (graphic design) program to a true 3-D based program by implementing multiple AutoCAD-equipped workstations, a computer-aided-modeling (CAM) machine and a large-scale printer/plotter.

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CASA Vocal Arts Lab: Interactive Technology for Actors and Singers

Integrate recently acquired hardware and software into voice lessons, drama coaching and voice pedagogy classes in both drama and applied voice.

Interactive Music Composition, Synthesis, and Performance

Replace aging computers with current equipment capable of running the latest version of a graphical programming language, MAX. This project supports classes in interactive music composition and performance.

MRH Technology Classrooms

Partially equip six additional classrooms with video projectors, document cameras, a laptop computer connection and console.

CASA Vocal Arts Lab: Renovation and Expansion

Renovate MRH 4.138 and move the existing lab into that space.

FAML Workstation Upgrade

Replace existing computer equipment in the Fine Arts Microcomputer Laboratory with current models.

Instructional Technology Initiative

Encourage faculty in the development of technology mediated instructional materials by partnering with the Center for Instructional Technologies in the annual ~FAST Tex program.

Winship Technology Classroom

Complete the Winship Technology classroom by upgrading aging slide projectors and replacing damaged carpet and ceiling.

10/100 Network Switches

Improve the college network by replacing aging 10BaseT hubs with managed 10/100 switches.

Insight Imaging Software

Provide a portion of the funding required for the purchase of a campus license of Luna Imaging's Java-based tool for image cataloging, storage, manipulation and presentation for use in the Art History and Theatre History programs.

Instructional Technology Funding Overview

Information Technology funding in the College of Fine Arts is derived from one of three sources: Information Technology Advisory Committee (ITAC) distribution of student fees collected campus-wide, student fees collected by the College and its departments, and other College funds such as annually budgeted special equipment money.

Information Technology Advisory Committee Funding

Each year, the College receives ITAC allocations that are used to implement major IT initiatives such as student computer laboratories and multimedia classrooms. A second, annual ITAC allocation, based on the number of credit hours generated by the College during the previous fiscal year provides a predictable source of funding for regular maintenance.

College of Fine Arts Fees

The College also collects several fees to fund Information Technology. A Learning Resource Center fee is used primarily to fund IT personnel. Each of the academic departments (viz., Department of Art and Art History, School of Music and the Department of Theatre and Dance) collect fees from their majors as well. These fees are also used primarily for personnel. A College-wide equipment use fee is used to purchase both computer and non-computer related equipment.

Other College and Departmental Funding

The remaining IT funding is provided by a variety of College and departmental sources such as special equipment money, and ticket revenues and rental fees (in the case of the Performing Arts Center). Grants provide a small portion of the budget each year also.

Life Cycle Methodology

Funding from the three previously mentioned sources has been used as needed to meet the goals of the original vision plan. It has taken the combined effort of all College IT personnel just to keep up with the rapid acquisition of technology. The priority has been on getting equipment and software into service where none previously existed.

Now that a mature and rich computing and multimedia environment exists within the College, attention has turned to maintenance and the periodic replacement of obsolete equipment. With no other source of funding currently available to replace aging faculty computers, the College depends on the Faculty Life-Cycle Replacement program, now in its second year, to address this need.

Proposed Projects for FY 2002-2003

Fine Arts Broadcast Facility

Description of Goals

The College completed a teleconference facility in 1995 by adding the necessary equipment to an existing recording studio. While this has satisfied the occasional need for teleconference and streaming video capability, this facility is relatively small (seating a maximum of 20) and in high demand as a studio facility. Additionally, three units within the College (School of Music, Department of Theatre and Dance, and the Performing Arts Center) have expressed a desire to build a teleconference facility capable of hosting performance, instructional and community outreach activities. In order to meet these needs, we propose improving an existing space in the Performing Arts Center for teleconference and broadcast capability.

Audience

All Fine Arts students will benefit from the construction of this facility since it will be available to academic units within the College.

Description of Facilities, Equipment, and Staff

No additional facilities will be needed for this project as an existing space will be improved. Initially, only minor modifications to the room are anticipated (although more extensive renovation may be needed in the future) as most of the teleconference and broadcast capabilities will result from the installation of equipment. Once completed, the required additional support will be provided by an anticipated expansion of the Fine Arts IT staff.

Budget

Equipment and Installation for this project will total an estimated \$70,000.

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Gigabit Network Backbone

Description of Goals

This project is intended to increase network bandwidth on the College Backbone in anticipation of an expected increase in streaming media use associated with the College website and video/image intensive academic programs. Currently, the College employs switched 100 mBit technology to interconnect buildings and this would be replaced with the newer gigabit technology.

Audience

College of Fine Arts students are the intended audience and all parts of this project will have a positive impact on the quality of network and fileserver service they enjoy.

Description of Facilities, Equipment, and Staff

No additional facilities will be required and equipment purchased will be installed in existing network hub closets and labs. Installation and support will be provided by existing Fine Arts IT Staff.

Budget

The preliminary estimate for the network backbone upgrade is \$60,000.

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Instructional Technology Initiative

Description of Goals

Encourage faculty in the development of technology mediated instructional materials by partnering with the Center for Instructional Technologies in the annual ~FAST Tex program.

Audience

College of Fine Arts Students will benefit from the greater use of instructional technology that this project is intended to promote.

Description of Facilities, Equipment and Staff

No additional facilities will be required.

Budget

The preliminary estimate for this project is \$10,000.

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Land Arts Program

Description of Goals

The goal of this project is to increase the depth and capabilities of the informational and instructional technology for the students of the Design Division and provide critical equipment necessary for an interdisciplinary field study program that is being constructed between the University of Texas at Austin and the University of New Mexico. The project includes equipment needed for digital imaging, mobile computing and a server-based archive.

Audience

Equipment requested in this proposal will primarily benefit students in the Art and Art History Design Division.

Description of Facilities, Equipment, and Staff

No additional facilities will be required and equipment purchased will be installed in the existing Design Media Center labs and used on the road with the Land Arts Program. Once completed, annual maintenance and staff support for the project will come from existing Design Media Center Lab resources.

Budget

The preliminary estimate for the project is \$35,835.

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Technology Classroom – ART 1.110

Description of Goals

This project will improve an additional General Purpose classroom to meet the existing campus technology classroom standard.

Audience

Students in Art and Art History will be the primary beneficiaries of this additional facility as well as other students from around campus that meet in this General Purpose classroom.

Description of Facilities, Equipment, and Staff

No additional facilities will be needed for this project as an existing classroom will be improved. Only minor modifications to the room are anticipated as most of the

purchased equipment will be contained within a podium purpose-designed for this application. Once completed, faculty and students will be able to operate the room with a modest amount of support provided by existing staff in the Fine Arts IT department.

Budget

The preliminary estimate for the project is \$40,000.

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Completed Technology Classroom – MRH 2.610

Description of Goals

This project is a continuation of the partial equipping of a group of classrooms in Music Recital Hall (MRH) funded during FY 2001-2002. Since the room will already have a video projector, document camera, laptop computer connection and console, completion will consist of other equipment needed to bring it in line with the campus technology classroom standard.

Audience

School of Music students will primarily benefit from this additional multimedia facility.

Description of Facilities, Equipment, and Staff

No additional facilities will be needed as an existing classroom will be improved. Only minor modifications to the room are anticipated as most of the purchased equipment will be contained within a podium purpose-designed for this application. Once completed, faculty and students will be able to operate the room with a modest amount of support provided by existing Fine Arts IT staff.

Budget

Equipment and installation for this project will total an estimated \$20,000.

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Music Performance Laboratory

Description of Goals

This lab would primarily facilitate students using “Smart Music”, a hardware/software package from Coda Corporation. Smart Music allows students to perform music with accompaniment and is able to sense their tempo and pitch while reacting appropriately to the students performance in real time.

Audience

School of Music students will primarily benefit from this additional multimedia facility. While several faculty are using this capability in student lessons already, students are currently not able to practice with the equipment outside of their lesson time. These classrooms will also be equipped with digital pianos and the Roland Visual MT software package thus allowing piano students to practice with recorded accompaniments.

Description of Facilities, Equipment, and Staff

No additional facilities will be needed for this project as existing practice rooms will be improved. Only minor modifications to the rooms are anticipated. Once completed, faculty and students will be able to operate the rooms with a modest amount of support provided by existing staff. Professor Martha Hilley and her graduate students have developed an extensive literature of pedagogical accompaniments as well.

Budget

Equipment and installation for this project will total an estimated \$9000 per room.

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Music Education Resource Center

Description of Goals

Video recording, editing, and production have become integral parts of the undergraduate and graduate curricula in music education. The multiple-camera, video recording and editing facility is in almost constant use by students for class projects. This project will update equipment purchased in 1979 and provide video capabilities now needed in the program.

Audience

Students in the School of Music will be the primary beneficiaries of this upgrade and the equipment will be used in four graduate and five undergraduate classes in Music Education.

Description of Facilities, Equipment, and Staff

No additional facilities will be needed for this project as an existing studio will be improved. Only minor modifications to the rooms are anticipated. Once completed, faculty and students will be able to operate the rooms with a modest amount of support provided by existing staff in the College's Information Technology department.

Budget

Equipment and installation for this project will total an estimated \$16,800.

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Technology Classrooms (partially equipped – MRH 4.116, 4.126, 2.614, 2.628, M3.110)

Description of Goals

In order to make technology-enhanced classrooms available to a greater percentage of the faculty in the College, we propose the partial implementation of the campus technology standard in a number of classrooms, with the option of completing the equipment set as funding permits. Minimally, these classrooms would be equipped with a ceiling-mounted video projector, a projection screen and furniture (a console similar to those found in other technology classrooms). A faculty or departmentally supplied laptop computer will complete this setup.

Audience

Students in the School of Music will be the primary beneficiaries of these additional technology classrooms.

Description of Facilities, Equipment, and Staff

No additional facilities will be needed for this project as existing classrooms will be improved. Only minor modifications to the rooms are anticipated. Once completed, faculty and students will be able to operate the rooms with a modest amount of

support provided by existing staff in the College's Information Technology department.

Budget

Equipment and installation for these five technology classrooms will total an estimated \$50,000.

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Completed Technology Classroom in M3.112

Description of Goals

This project is a continuation of the partial equipping of a group of classrooms in Music Recital Hall (MRH) funded during FY 2001-2002. Since the room will already have a video projector, document camera, laptop computer connection and furniture, completion will consist of the remaining equipment necessary to bring it in line with the campus technology classroom standard.

Audience

Students in the School of Music will be the primary beneficiaries of this additional multimedia facility.

Description of Facilities, Equipment, and Staff

No additional facilities will be needed for this project as an existing classroom will be improved. Only minor modifications to the room are anticipated. Once completed, faculty and students will be able to operate the room with a modest amount of support provided by existing Fine Arts IT staff.

Budget

Equipment and installation for this project will total an estimated \$20,000.

Appendix

College Infrastructure Summary

100% of the College is connected to UTMNet. The College network was upgraded in January 1998 to a 100 Mbit switched backbone with 10 Mbit Ethernet available in all rooms and 100Mbit service available in all buildings.

Student Computer Facilities

Fine Arts Microcomputer Laboratory (FAML) – FAB 3.2
Art Laboratory (ARTL) – ART 1.206
Design Laboratory (DESL) – ART 1.202
Music Microcomputer Laboratory (MML) – MBE 3.122
Theatre & Dance Laboratory (TaDLab) – WIN 1.138

Special Purpose Technology Classrooms and Facilities

Teleconference Suite – MRH 2.636
Electronic Classroom – FAB 3.2
Electronic Music Studios (EMS) – MRH 4.116, 4.170, 4.172, 4.178
Fine Arts Recording Studios – MRH 2.636, 2.638

Technology Classrooms

Recital Studio – MRH 2.608
DFA 2.204
ART 1.102
WIN 2.112

The following rooms will be partially equipped as technology classrooms and will be completed during the summer of 2002:

MRH 2.610
MRH M3.112
MRH 4.130
MRH 2.634
MRH M3.114
MRH 2.604

Curriculum Innovation

By the end of the 1999-2000 fiscal year, much of the initial technology infrastructure in the College of Fine Arts had been completed and our attention began shifting toward use of the Web, Technology Classrooms and other electronic resources for instruction. As a first step, faculty were asked to suggest other projects, with particular emphasis on innovative uses of instructional technology. That survey process, completed in the fall of 2000, resulted in eleven projects, all of which were funded during the last and current fiscal years. As a preparatory step to this year's Vision Plan, we again asked the academic units of the College to recommend projects, and their recommendations are included in this year's ITAC funding request.

Another initiative, instituted this year, is intended to accelerate the development of innovative, technology-mediated instruction. During the fall of 2001, we set up a partnership with the Center for Instructional Technologies, specifically, with their ~FAST Tex program. During the most recent "Request for Proposals" period, we encouraged our faculty to apply to the program and a total of seven Fine Arts faculty members did. Those projects will be in production during the spring, 2002 semester with the resulting instructional materials available, at least in part, by the fall of 2002. It is worth noting that the seven proposals to the ~FAST Tex program represent the second-highest number of proposals from a single college this year, behind the College of Natural Sciences.

This partnership is beneficial to the College of Fine Arts, the Center for Instructional Technologies, and ultimately of course, to the students who will use the new instructional materials. Being a relatively small college, Fine Arts is not funded well enough to provide the sort of assistance that the CIT can in building instructional materials nor can we provide training to the students who work on those projects. On the other hand, we do have access to student fee funding. Normally, for projects that the CIT agrees to pursue, they assign a single student along with the funding necessary for 100 hours of that student's time. We augment that initial funding, thus allowing the student more paid hours (or the funding of a second student) with the result that much more of the project can be completed and more ambitious instructional projects are possible. Ultimately, our intent is to employ Fine Arts students in this process. In that way, the students will acquire meaningful job skills and much needed financial help, while faculty get help adopting new technologies more quickly and the students enrolled in those courses benefit from improved instructional materials.

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IT Staff

College of Fine Arts staffing levels are summarized in the following table:

Job Function	FTE	Hours/week
Fine Arts (Full Time, Permanent)		
Manager, Information Systems	1	
Various Administrative Tasks	1	
Network and Server Administrator	1	
Helpdesk Coordinator	1	
Technology Classroom and Electronic Technician	1	
Computer Laboratory Manager	2	
Recording Studio Manager	1	
Chief Recording Engineer	1	
Sub-Total	9	
Fine Arts (Part Time)		
Computer Consultant		38
Web Editor		19
Computer Laboratory Proctor		70
Recording Engineer		15
Recording Intern (not paid)		15
Sub-Total		157
Art & Art History (Full Time, Permanent)		
Computer Laboratory Director	1	
Computer Laboratory Manager	1	
Sub-Total	2	
Art & Art History (Part Time)		
Computer Laboratory Proctor		102
Teaching Assistant		30
Sub-Total		132
School of Music (Full Time, Permanent)		
Computer Laboratory Manager	1	
Sub-Total	1	
School of Music (Part Time)		
Computer Laboratory Proctors		90
Sub-Total		90
Theatre & Dance (Full Time, Permanent)		
Computer Laboratory Manager	0.33	
Sub-Total	0.33	
Theatre & Dance (Part Time)		
Computer Laboratory Proctors		72
Sub-Total		72
Total	12.33	451