

# Student Computing Fee Report

## FY 2006

Information Technology Services

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## Introduction

This report summarizes how the Student Computing Fee (SCF) funds were allocated and spent in FY 2006. The process for allocation funds has an integral reporting component.

In the spreadsheet below, the column labeled “Net College Allocation” shows what funds were distributed directly to the colleges. It is these funds on which the colleges report in the following pages. The second table below reports allocations to various central providers, whose reports appear towards the end of this document. The table on page 3 summarizes the expenditures reported by the colleges and central providers, by category of expenditure. Any questions concerning this report or the process by which funds were allocated should be directed to Steve Fleagle (telephone 384-0750, e-mail [steve-fleagle@uiowa.edu](mailto:steve-fleagle@uiowa.edu)) or Mark Hale (335-5825, [mark-hale@uiowa.edu](mailto:mark-hale@uiowa.edu).)

### Student Computer Fee Allocations to Colleges, FY 2006

College	Fees for FY06 (actual)	Contributions to campus Infrastructure and ITCs	Net college allocation FY06	Net college Allocation FY05
CLAS	3,413,621	2,139,521	1,274,100	1,232,300
Business	772,820	148,120	624,700	607,800
Dentistry	71,423	42,023	29,400	28,600
Education	179,822	30,522	149,300	141,900
Engineering	616,018	98,018	518,000	505,300
Law	267,016	(7,984)	275,000	245,000
Medicine	188,054	140,854	47,200	45,400
Nursing	137,709	106,409	31,300	25,600
Pharmacy	232,446	122,346	110,100	47,000
Public Health	33,983	(817)	34,800	30,000
Graduate Coll	37,230	17,830	19,400	18,400
<b>Totals</b>	<b>5,950,142</b>	<b>2,836,842</b>	<b>3,113,300</b>	<b>2,927,300</b>

## SCF allocations to central projects and services, FY 2006

	FY2006	FY 2005
ITC Support – HW/SW	480,000	400,000
Campus licensing agreements (MCSA, Apple)	406,115	406,841
eLearning	437,750	329,155
ITS Staffing, Library and others	687,500	674,000
ITS-TNS support, remote access and wireless	240,000	240,000
General Assignment Classrooms	200,000	200,000
Instructional Innovation Projects	103,299	104,750
Miscellaneous licenses (Turn-It-In)	19,966	14,745
Library workstations		75,000
nTITLE stipends		72,000
ITS - AT Academic Support	107,600	89,000
ITS – Other		64,500
Year-to-year Reserve	154,612	-35,384
<b>Total central allocations</b>	<b>2,826,842</b>	<b>2,634,607</b>
<b>Total allocations (College plus central)</b>	<b>5,950,142</b>	<b>5,561,907</b>

## Reported SCF expenditures by Category, FY2006

Unit or project	Salaries and wages	Licenses and subscriptions	Hardware	All other	Totals
CLAS	610,308	172,091	233,640	260,513	1,276,552
Business	408,444	83,829	92,814	39,613	624,700
Dentistry	0	1,060	10,175	18,165	29,400
Education	13,350	35,595	89,995	10,460	149,400
Engineering		146,791	550,321	9,417	706,529
Law	110,876	148,783		15,341	275,000
Medicine			42,200		42,200
Nursing			437	30,863	31,300
Pharmacy	58,237	18,768	28,548	0	105,553
Public Health		6,881	581	4,547	12,009
Graduate	0	400	13,004	5,996	19,400
Campus licensing agreements (MCSA, Apple)		406,115			406,115
Instructional Innovation Projects	96,204	0	3,500	3,595	103,299
ITS – Academic Technologies	162,474	313,856	46,700	42,286	565,316
ITS Campus Services and ITC support	687,500	65,100	306,400	108,500	1,167,500
ITS-TNS support for remote access and wireless				240,000	240,000
General Assignment Classrooms		4,500	266,581		271,081
<b>Total funds reported</b>	<b>2,147,393</b>	<b>1,403,769</b>	<b>1,684,896</b>	<b>789,296</b>	<b>6,025,354</b>
<b>Percentages of total funds</b>	<b>35.6%</b>	<b>23.3%</b>	<b>28.0%</b>	<b>13.1%</b>	<b>100.0%</b>

The *All other* category includes maintenance, renovation, operating costs such as paper, and carry-forward funds. Totals may include non-SCF funds or accumulated reserves.

# College of Liberal Arts and Sciences

## ***Allocation Bodies***

The CLAS Instructional Technologies Committee, a standing committee of the college, holds primary responsibility for the allocation of CLAS Student Computing Fee funds. The charter of the Instructional Technologies Committee specifies eight voting members with diverse student and faculty representation. Non-voting committee members include representatives of the Dean's Office staff. Information about the CLAS Instructional Technologies Committee including current membership is available at <http://www.clas.uiowa.edu/faculty/governance/standing/it.shtml>.

The CLAS Information Technology Group, as part of the Dean's Office administrative organization, provides technical support to departments during project planning and implementation processes, as ensures general budget controls. Primary staff responsible for the oversight of the FY06 allocation process included Associate Dean Joseph Kearney, Aletia Morgan, Director of the CLAS Information Technology Group, and Eugene Buck, Assistant to the Associate Dean for Research & Development.

## ***Allocation Process***

The College of Liberal Arts and Sciences (CLAS) was allocated \$1,274,100 in Student Computing Fee funding for the 2005-2006 academic year. From that allocation, the college identified recurring financial commitments from prior years, and ensured that these obligations were funded first. This included allocations towards the salary support for technology support staff positions, salaries for student monitors in departmental ITC labs, and multi-year project awards. These recurring allocations are shown along with other funded projects in the attached table. Once these prior commitments were accounted for, the remainder of the FY06 student computing fee funds were then made available for allocations to meet departmental instructional computing needs. Please note that a reserve of no more than \$100,000 is held by the college after the formal allocation process to be available in the event of unanticipated instructional technology needs and opportunities.

In January 2005 the CLAS Associate Dean for Research and Development issued a Call for Proposals to all departments in the College. The call was distributed through the College's DEO mailing, and announcements were made at DEO meetings and in the college's Faculty Assembly.

Each proposal was reviewed by a sub-committee of three faculty members and one student. Reviewer assignments were made in such a way that each reviewer read proposals of varying size and complexity across multiple curriculum areas. As part of the review process, the Committee solicited comments on each proposal from ITS Academic Technologies and UI Space Planning. These outside representatives reviewed each proposal and provided valuable comments regarding academic value, project feasibility, potential hidden costs, and possible connections to other projects or facilities.

The committee met in April, 2005 for a final review of the proposals. Student reviewers had a strong voice in the review process to ensure that final funding decisions were made with recognition of student needs. These funding recommendations were approved by the Dean, and departments were informed of their final project funding status in May, 2005.

***Description of funded personnel, projects and expenditures***

A table of projects funded by the College appears below. The table reflects the status of the accounts as of June 30, 2006.

#	Project or Expenditure	Salaries and Wages	Licenses and Subscriptions	Hardware	AllOther	Total
1.	<b>Lab Monitor Salary Funding</b> – To support CLAS-based Departmental ITC Labs <ul style="list-style-type: none"> <li>- English</li> <li>- Exercise Science</li> <li>- Language Media Center</li> <li>- Music</li> <li>- Sociology</li> <li>- Statistics</li> </ul>	\$108,130				\$108,130
2.	<b>P&amp;S Salary Support</b> - Partial salary support for 17 Professional & Scientific IT Support Staff in the following departments: <ul style="list-style-type: none"> <li>- Biology</li> <li>- Chemistry (2)</li> <li>- Computer Science (3)</li> <li>- Geography</li> <li>- Liberal Arts Administration (8)</li> <li>- Physics &amp; Astronomy</li> <li>- Sociology</li> </ul>	\$428,042				\$428,042
3.	<b>Art &amp; Art History</b> - Second year of funding for student support position from FY05 award.	\$23,500				\$23,500
4.	<b>Art &amp; Art History</b> (Intermedia) - Fund equipment and software to expand capabilities for video production, DVD authoring and 5.1 audio.		\$1,567		\$17,490	\$19,057
5.	<b>Art &amp; Art History</b> (3D Design) – Enlarge the 3D Design lab to meet the College's enrollment needs by adding additional PC computers, one color printer, one scanner, software licenses, and 14 additional data ports.	\$5,700	\$5,009	\$12,835	\$5,600	\$29,144
6.	<b>Art &amp; Art History</b> (Sculpture) – Upgrade existing stations for use with CNC (computer numerical control); including Apple & PC computers and software licenses.		\$600	\$2,100		\$2,700
7.	<b>Asian Languages &amp; Literature</b> - AV equipment upgrades for digital audio/video instruction, including data port activation in TA Offices.				\$9,000	\$9,000
8.	<b>Biological Sciences</b> - Purchase a Wolfvision document camera for use in the classroom in 106 BBE.				\$4,275	\$4,275
9.	<b>Biological Sciences</b> - Second year of two-year award to upgrade equipment in labs in 102 BSL & 401 BBE.			\$7,830		\$7,830
10.	<b>Chemistry</b> - Replace and upgrade computer hardware & software in undergraduate and graduate student instructional facilities.		\$6,590	\$7,000	\$4,800	\$18,390
11.	<b>Chemistry</b> – Third year of four-year support for undergraduate student staff salary.	\$7,500				\$7,500
12.	<b>Cinema &amp; Comp Lit</b> - Support for Work Study student employee.	\$2,200				\$2,200
13.	<b>Cinema &amp; Comp Lit</b> – Allocation to support student lab upgrades including workstations, displays and software licenses.		\$9,600	\$24,000	\$26,400	\$60,000
14.	<b>Communication Studies</b> – Equip TA offices with internet access via port activation.				\$1,600	\$1,600

#	Project or Expenditure	Salaries and Wages	Licenses and Subscriptions	Hardware	AllOther	Total
15.	<b>Computer Science</b> - Third year of four year award offering general financial support for operation of Computer Science, Mathematics, and Statistics labs. Includes funding for Hardware, Software and Supplies.		\$27,300	\$75,400	\$27,300	\$130,000
16.	<b>Dance</b> - Lab upgrades including peripherals, software and port activations. Also includes student support salary.	\$7,329	\$5,046		\$3,125	\$15,500
17.	<b>Dance</b> - Support for digital media conversion services (jointly funded with VP of Research).	\$1,037			\$2,438	\$3,475
18.	<b>English</b> - Update undergraduate media lab with new computers and software. Includes lab and TA office port activations.		\$13,100	\$20,130	\$6,000	\$39,230
19.	<b>Exercise Science</b> - Allocation for replacement of failed overhead projector in department lab.				\$1,463	\$1,463
20.	<b>Exercise Science</b> - Facility upgrades and new computers for 406 FH teaching lab.			\$5,000	\$39,860	\$44,860
21.	<b>Geography</b> - Software and equipment upgrades to departmental teaching labs.		\$8,400	\$7,300	\$6,900	\$22,600
22.	<b>Geoscience</b> - Fund new equipment, furniture and software for 135 and 114 TH labs.		\$33,096	\$1,579	\$5,880	\$40,555
23.	<b>Health &amp; Sports Studies</b> - Fund purchase and installation of ceiling projectors, audiovisual equipment and computer teaching station for departmental classrooms.			\$1,050	\$18,207	\$19,257
24.	<b>Journalism &amp; Mass Comm</b> - Add software for remote management and teaching activities for teaching stations in AJB.		\$2,156			\$2,156
25.	<b>Language Media Center</b> -Third year of three-year project to renew core multimedia software & equipment in 651 PH Language Media Center.			\$2,200	\$7,800	\$10,000
26.	<b>Language Media Center</b> - Second year of two-year award to support development of Object Mover instructional software.	\$3,250				\$3,250
27.	<b>Linguistics</b> - Fund costs related to the relocation of the departmental computer lab from 210 CC to 402 EPB.				\$12,590	\$12,590
28.	<b>Math</b> - Second year of two-year award funding general support for the UI Student Supercomputer Project (UISSP).				\$4,000	\$4,000
29.	<b>Music (Jazz Studios)</b> – Fund computer with MIDI hardware and applications for graduate program.		\$815	\$3,750	\$1,435	\$6,000
30.	<b>Music (Electronic Music Studios)</b> – Fund new computers, software & peripherals for Electronic Music Studio.		\$11,285	\$4,922	\$8,793	\$25,000
31.	<b>Music</b> – Fund installation of technology-enhanced teaching station in 1008 VMB.			\$3,500	\$11,500	\$15,000
32.	<b>Music</b> – Replace computer, purchase printer, scanner & software for departmental studio/classroom.		\$450	\$1,930	\$322	\$2,702

#	Project or Expenditure	Salaries and Wages	Licenses and Subscriptions	Hardware	AllOther	Total
33.	<b>Music</b> - Activate data ports in TA offices in VMB.				\$5,600	\$5,600
34.	<b>Physics &amp; Astronomy</b> – First year of four-year award funding infrastructure upgrades including computers, peripherals, software and student salaries.		\$10,500	\$40,500	\$5,500	\$56,500
35.	<b>Political Science</b> – Fund creation of a computer-assisted telephone interviewing (CATI) call center in the Vernon Van Dyke ITC including server, software & peripherals.	\$1,725	\$22,000	\$2,000	\$3,900	\$29,625
36.	<b>Political Science</b> – Continuation of funding for TA line to support faculty/student educational computing.	\$21,895				\$21,895
37.	<b>Religious Studies</b> – Allocation to purchase Adobe Creative Suite media and licenses for student lab.		\$1,184			\$1,184
38.	<b>Rhetoric</b> - Support for new software and equipment for Virtual Reserve Library.		\$572		\$928	\$1,500
39.	<b>Social Work</b> – Second year of four-year award for SPSS license upgrades and maintenance.		\$1,242			\$1,242
40.	<b>Sociology</b> – Fund significant upgrades and remodeling of the department ITC lab in W412 SSH.		\$11,579		\$13,421	\$25,000
41.	<b>Spanish &amp; Portuguese</b> – Fund equipment and software for the Spanish Writing Center and the Spanish Graduate Student Lab.			\$10,614	\$4386	\$15,000
	<b>TOTAL EXPENDITURES</b>	<b>\$610,308</b>	<b>\$172,091</b>	<b>\$233,640</b>	<b>\$260,513</b>	<b>\$1,276,552</b>
	<b>Awarded to CLAS in FY 05-06</b>					<b>\$1,274,100</b>
	<b>Carryover from FY 04-05</b>					<b>\$74,270</b>
	<b>TOTAL AVAILABLE IN FY 05-06</b>					<b>\$1,348,370</b>
	<b>Available to Carry Over to FY 06-07</b>					<b>\$71,818</b>

## College of Business

### ***Allocation bodies***

The Tippie College of Business relies heavily on several College organizations for making recommendations regarding Student Computing fees: the Student Leadership Council, the College Executive Committee, and the Elected Faculty Council. Individual faculty are also encouraged to make specific software and hardware requests for use in their curriculum.

The Leadership Council is a committee of approximately 20 students. This group meets weekly during the semester and works closely with the Associate Dean for Undergraduate Programs and the Director of the Stead Technology Services Group (STSG), which is the central IT support unit for the College. The Executive Committee is comprised of department executive officers, deans and directors of College programs, and student representatives from the graduate and undergraduate student body. This group meets monthly throughout the year.

### ***Description of allocation process***

The Director of the Stead Technology Services Group (STSG) solicits recommendations from students, faculty, and staff for changes to be made in our computing environment. These recommendations flow through the College organizations mentioned above. These groups make recommendations as to which projects should be funded. These recommendations are forwarded to the dean, who makes the final decision. There is also a portion of the budget that covers operating expenditures from year to year, as well as a reserve fund for future year refresh of equipment.

### ***Description of funded personnel, projects and expenditures***

Project or expenditure	Salaries/wages	Licenses/ subscriptions	hardware	all other	Total
1. Lab monitors for ITC and hardware upgrades to the ITC	89,977		88,755		178,732
2. Staff support: ITC, electronic portfolio project, college Web site, Blackboard and classrooms – 3.5 FTEs	227,454				227,454
3. Software for ARTIC lab, ITC, and classrooms		5,979			5,979
4. Subscriptions to research databases and online services		36,056			36,056
5. TA Support for required technology courses	91,013				91,013
6. Hardware for classrooms		41,794			41,794
7. Supplies				5,425	5,425
8. Maintenance and service			4,059		4,059
9. Offset deficits from previous years				30,000	30,000
10. Carryover for ITC hardware purchases				4,188	4,188
TOTALS	408,444	83,829	92,814	39,613	624,700

# College of Dentistry

## ***Allocation bodies***

The Instructional Technology Committee is a standing committee composed of faculty, staff, and dental students. The committee meets periodically to discuss and make recommendations concerning instructional IT resource utilization, policies, and strategic plans. The student representatives and appropriate members of the committee meet with a larger group of student officers to present proposals to obtain feedback and support.

## ***Description of allocation process***

The process for utilizing SCF funds is to solicit proposals from the Instructional Technology Committee members – who in turn seek input from their peers. Student Computing Fee Request forms are presented to other appropriate groups, such as the Curriculum Committee, Course Directors, Clinic Directors, Oral Health Information System committee, etc. for additional comments and support. The Instructional Technology Committee discusses the requests (and prioritizes by ballot if necessary) and forwards to the Dean for final decision.

## ***Description of funded personnel, projects and expenditures***

Project or expenditure	Salaries/ wages	licenses and subscriptions	hardware	all other	total
1. Nutritionist Pro Network Version, Updates, & License for faculty course	0	600	0	0	600
2. 11 Student PCs (Dell) for Instructional Technology Lab.	0	0	10,175	0	10,175
3. Student Wireless access point installation (2) by ITS	0	0	0	1,500	1,500
4. SAS license renewal	0	460	0	0	460
Carry-forward funds	0	0	0	16,665	16,665
<b>totals</b>	<b>0</b>	<b>1,060</b>	<b>10,175</b>	<b>18,165</b>	<b>29,400</b>

Part of the allocation is being rolled over to FY 2006/07 in anticipation of a large expenditure to occur in late summer 2006.

## College of Education

### ***Allocation committee members***

Dr. John Achrazoglou (Staff and Chair)  
 Wayne Kintz (Staff)  
 Ann Farland (Staff)  
 Tom Misco (C&I Graduate student)  
 Christine Kotarba (C&I Undergraduate student)  
 Fredrick Staten (CRSD Graduate student)  
 Laura Lowe (EPLS Graduate student)  
 Angelo Larocco (P&Q Graduate student)  
 Dr. Carlos Rodriguez (C&I faculty)  
 Dr. David Bills (EPLS Faculty)  
 Dr. Tarrell Portman (CRSD Faculty)  
 Dr. Robert D. Ankenmann (P&Q faculty)

### ***Description of allocation process***

Allocation recommendations were derived from e-mail discussions and shared spreadsheets. Quoted statements are copied from saved messages sent to the Chair by committee members. All committee members reviewed and approved final recommendations. Final recommendations are approved by the Dean.

### ***Description of funded personnel, projects and expenditures***

Project or expenditure	Salaries/ wages	licenses and subscriptions	hardware	all other	total
ICATER Hardware, Software Startup		3,208	8,225	2,000	13,433
PhotoShop Elements Upgrade		2,806			2,806.
SAS/SPSS Upgrade		564			564
ITC Equipment Upgrade		20,003			20,003
Integrating Handheld Technology		1,255	5,745		7,000
Upgrading Computers for T&L GA's			5,240		5,240
Social Studies Education Cart			4,887	419	5,306
Digital Kiln			2,335		2,335
Science Teacher Education Lab			3,573		3,573
Field Working On-line	2,500	100	5,113	240	7,953
Support Existing Audio Video			7,940	148	8,088
Curriculum Resources Lab Student System Upgrades			5804		5,804
Digital Camera for On-Campus Interviews			430		430
EPLS Lab Computer Technology Request		5,608	9,333		14,941
Tech Enhance of Practicum Training			11,405	1,304	12,709
Enhancing Computer Research Lab Facilities		1,800	17,369		19,169
Theory-based Instruct Practices	250				250

Web site					
Journal of CRSD Electronic Journal	10,600	250	2,596	150	13,596
					143,201
Carry-forward funds				6,198	6,198
Totals	13,350	35,595	89,995	10,460	149,399

#### 1. ICATER Hardware, Software Startup

High priority request from Dean's Office. Great potential impact on students from every program in the College of Education. "Carefully designed, reasonably budgeted, and seems to benefit a large number of students."

#### 2. PhotoShop Elements Upgrade

Used by many students in College of Education, high priority request. The committee recommends annual coverage of this program and others College of Education students need (Inspiration, SPSS, SAS) that ITS does not license for our labs; except for one members apprehension "full support of taking purchase and licensure costs for statistical and media software as 'carve out' monies in the future."

#### 3. SAS/SPSS Upgrade

Used by many students conducting research in College of Education, high priority request. See above.

#### 4. ITC Equipment Upgrade

Upgrade and purchasing equipment that is directly checked out/used by students from every department; equipment for "Grand Central Station" of student labs. Overall support by committee members, two recommendations to cut Mini DV cameras or two laptops until better usage data is collected if funding is an issue

#### 5. Integrating Handheld Technology

Experimental tryout of new technology... "good idea because it is a logical extension of existing tech skills." There were three recommendations to modify the proposal, two recommending cutting the number of handhelds by half, "agree to fund, but consider reducing amount from 16 to 8... this is new technology and then the technology may be evaluated for its value and gain to the program." Another member found the request for "the current top-of-the-line Intel-based PDA on the market .. pricey .. a modification of this proposal might be more appropriate."

#### 6. Upgrading Computers for T&L GA's

Highest priority from DEO. Upgrade computers in Graduate student offices that teach College of Education courses. A majority of the committee agreed that there is potentially "big student impact if you also consider all the students that take their courses." Two committee members critiqued the proposal, "a few grad TA's will use this equipment", and the "benefit to students, especially to undergrads, is too indirect and too limited." Another questioned if Teaching Assistants "really need" high performance computers "to do ePortfolio and internet?"

#### 7. Social Studies Education Cart

Heavy users of portable equipment for courses in their program. Last semester students and faculty used a check-out system for every class, some days it was not available. One committee member questioned the fairness of a program having its own transportable system program. Others think the program has proven they need their own media system, "a reasonable request given number of students and amount requested." Technical support staff requests award letter states this system conforms to College and University security and licensing requirements. The tech staff will gladly help with the setup.

#### 8. Digital Kiln

Regarded as a novel yet appropriate request by most, some with enthusiasm "wow, a digital kiln." Relatively high on DEO's priority (3 out of 8), general consensus to fund. One committee member did question the appropriateness of funding a new kiln with computing fees pointing out that only one item "remotely involves computers is the \$220 digital controller."

#### 9. Science Teacher Education Lab

Update projection equipment used by Science Ed students and faculty in Van Allen Hall. Current systems are outdated and failing. Full consensus to fully fund "hard-use equipment by a lot of students.. A recommendation to enhance the proposal by also recommending to fund "repairing the older projector if it is a burned-out bulb and otherwise a good projector."

#### 10. Field Working On-line

Needs equipment and personnel time to work on web site used by students and educators across the country. DEO notes money for assistantship and travel "not appropriate." General consensus to deduct money for travel; the requestor's lowest ranked item (\$2,000). One committee member tabbed travel in the end "would be beneficial to the program."

#### 11. Support Existing Audio Video

Updating, repairing and adding enhancements to current technologies and equipment that impacts a number of students in Music Education. General consensus to fund, there was one concern lodged on funding non-computer hardware or software items such as audio accessories and cables.

#### 12. Curriculum Resources Lab Student System Upgrades

Adding student stations for student employee positions. Also requests updating old Mac unit patrons use for research and catalog searches. Low-end color laser printer requested that students can use for making materials and signage for the Curriculum Lab. A proposal with "excellent rationale" ranked highest priority from DEO.

### 13. Digital Camera for On-Campus Interviews

Camera requested to use for student interviews and employer recruitment process. Heavily reserves cameras from the lab, almost full consensus the office likely needs own camera by now. Only one committee member expressed reservation funding this request.

### 14. EPLS Lab Computer Technology Request.

Proposal to update and “enrich” lab with AV peripherals and research software. Very active lab with a track record of big student impact. Full consensus to fund this project with comments such as “excellent use of Computer Fees.” “very carefully written and budgeted.” The College’s technical staff recommends a non-Apple, Windows-based mp3 player be considered to ensure multiplatform operations and compatibilities.

### 15. Tech Enhance of Practicum Training

Tabbed highest priority by the department, a request to update equipment students in Counseling Psychology use to tape practicum sessions with clients. Overall support with one member expressing concern over the College’s ability to support systems placed in the health sciences and another suggested reducing the number of computers. College tech support offers to install and configure computers to university specs for security, communication standards and software licensing. Requester should help arrange for transportation of equipment from tech center in NLC to Westlawn.

### 16. Enhancing Computer Research Lab Facilities

Requests updates to a very “productive” lab. Big student impact for general use and conducting research. Two committee members suggest partially fund/reduce number of computers by half if needed.

### 17. Theory-based Instruct Practices Web site

Modest proposal (\$250) to finish an on-going project that P&Q students work on and draw information/benefit from. Need to hire a professional for some graphics work.

### 18. Journal of CRSD Electronic Journal

Only proposal from an academic department. Plans for creating a system where Graduate students’ publications can be “pre-reviewed” by peers and faculty. Near consensus to fully fund, one committee member questioned student computing fees being used for requested Graduate Assistant. College and University administration approved using computing fees to fund graduate students working on technology projects impacting students. Next year’s committee will better address issues around funding student workers.

## College of Engineering

### ***Allocation bodies***

The College of Engineering Computer Systems Support (CSS) department is responsible for the College of Engineering IT budget which includes the funds from the Engineering College student computer fees. The Engineering Faculty Council has created Computer Services Committee to provide representative faculty advice on the expenditure of Student Computer Fee (SCF) funds and other operational issues. In addition input on planning is received from the Engineering Student Council, students at large and from the Dean of the College of Engineering. Software maintenance expenditures, from SCF funds, are directed by the five College of Engineering DEOs based upon what software they require to support the curriculum. The Computer Systems Support department makes the final decisions on all IT expenditures involving Engineering College student computer fees.

In addition to a student report, CSS meets with the Engineering Student Council to discuss support issues. CSS also gathers input from Engineering College students who use the College computer labs or the College computer consulting service.

### ***Description of allocation process***

College IT expenditure decisions are made by the CSS staff with final approval from the director. Expenditure decisions take into account user input as outlined above as well as the College strategic plan, recommendations from College accreditation reports, and departmental faculty who make recommendations through their DEOs as to what academic software the College will support. All Engineering College student computer fee income is spent on the academic support of Engineering students and students taking Engineering classes.

### ***Description of funded personnel, projects and expenditures***

Project or expenditure	Salaries/ wages	licenses and subscriptions	hardware	all other	total
Lab hardware			335,206		335,206
Server hardware			91,731		91,731
Software capital expense		108,958			108,958
Software maintenance		37,833			37,833
Networking			123,384		123,384
Infrastructure				9,417	9,417
Totals		146,791	550,321	9,417	706,529
Carry-forward funds					-188,529
Totals					518,000

Lab hardware upgrades were for student computer lab refresh of one third of the hardware. This includes Windows and Linux desktop computers. Server hardware includes funding for a server virtualization project and an off site data storage and backup project. Networking hardware covered a network switch upgrade. Infrastructure expenditures helped to pay for a server room upgrade project. Software expenditures were for instructional engineering software as well as for new virtualization software.

## College of Law

### ***Allocation bodies and Description of allocation process***

The Law Student Computer Fee budget in the Law Library is set each year by the College of Law Associate Dean for Research in consultation with the Executive Law Librarian, the Head of Law Library Public Services, a Law Librarian for Student Computing, and two Law Students who are also Teaching Assistants in the Law library with responsibilities related to Law Student computing. At the beginning of each year a meeting is held involving all of these people at which the needs for student computing support and the expenditures authorized for that purpose from these funds are discussed and determined.

### ***Description of funded personnel, projects and expenditures***

Project or Expenditure	Salaries/Wages	Licenses and Subscriptions	Hardware	All Other	Total
1. Student assistants (2 people, 1 FTE)	18,220			2,150	20,370
2. Non-student personnel (3 people, 1.5 FTE)	92,656				92,656
3. Student computers				2,520	2,520
4. Set-aside for replacement of 65 computers *				10,461	10,461
5. Beeper for student assistant				210	210
6. Database subscriptions		148,783			148,783
TOTALS	110,876	148,783	0	15,341	275,000

\* Money set aside this year to fund the annual set-aside for the periodic replacement of 65 computers dedicated to the support of student computing in the Law Library.

## Salaries for Law Student Computing Support

**\$113,026**

P&S Salary Librarian Student Computing (Half-time)	26,748
P&S Fringe Benefits Librarian Student Computing (Half-time)	8,747
P&S Salary Librarian Student Computing (Half-time)	24,690
P&S Fringe Benefits Librarian Student Computing (Half-time)	8,074
P&S Salary Computer Technician (Half-time)	18,385
P&S Fringe Benefits Computer Technician (Half-time)	6,012
Graduate Assistants Salary (2-quarter-time)	15,982
Graduate Assistants Fringes Benefits (2-quarter-time)	2,238
Graduate Assistants Tuition (2-quarter-time)	2,150

## Data Base Subscriptions

**\$ 148,783**

Westlaw	40,179
LEXIS	32,941
Congressional Universe	983
Hein on Line	8,023
Index to Legal Periodicals Web	2,215
Retrospective Index to Legal Periodicals	600
Juta Law	248
Global Jurist	990
Kluwer	383
Annual Guide to Constitutions of the World	900
Indexmaster	495
MARCIVE	704
CCH Perform (state tax forms)	503
CILP	592
SRRN (LSN, ERN, FEN)	1,459
UN treaties	604
Canadian Statutes	1,024
Constitutions of the World	520
GLIN	2,625
Index to Foreign Legal Periodicals (IFLP)	1,550
Inter American Trade Database	1,045
Treaties (Oceana)	1,193
United Nations Yearbooks	3,691
LLMC Digital	5,800
Health Tracking Policy Service	1,500
Iowa Code and Administrative Code	150
BNA – ALL	13,650
Legal Journals Index	3,691
Legal trac	2,727
ELI	1,025
World Law Reform	800
CCH Business & Finance	6,000
Foreign Law Guide	1,840
Serial Set	8,133

## College of Medicine

### ***Allocation bodies***

Academic information technology subcommittee, composed of assistant Deans of Student Affairs, faculty, IT staff and medical students

### ***Description of allocation process***

Subcommittee reviews requests, needs for computer technology support for academics. Includes participation of medical students

### ***Description of funded personnel, projects and expenditures***

Project or expenditure	Salaries/ wages	licenses and subscriptions	hardware	all other	total
Memory Upgrade for student communities computers			900		900
Wireless Network Interface Cards for PBA Laptop Computers			1,800		1,800
Replacement Wheels for laptop carts			1,000		1,000
26 new computers for student computer lab			32,500		32,500
4 portable data projectors for MERF Small group classrooms			6,000		6,000
Carry-forward funds (held for replacement CBT laptops in FY07)				5,000	5,000
Totals			42,200		47,200

## College of Nursing

### ***Allocation bodies***

The Technology Services Committee recommends to the Dean of the College of Nursing how the allocation should be spent. Representatives from the faculty, staff, graduate students, and ore-licensure students comprise the voting members of the committee. The Dean reviews the recommendation and authorizes the expenditures.

### ***Description of allocation process***

Both voting and non-voting members of the Technology Services Committee bring recommendations from the general faculty, staff, and students that would meet technology needs and enhance the academic programs. All options are discussed and weighed. The most urgent needs are funded.

### ***Description of funded personnel, projects and expenditures***

Expenditure	Salaries/wages	licenses and subscriptions	hardware	all other	total
student assistants (number or FTE)					
non-student personnel (FTE)...					
Non-capitalized equipment			437		
UI provided services (includes hardware)				17,999	
Telecommunication Charges				874	
Other Supplies				146	
Repair maint equipment				103	
Reserve account for future year refresh or carry forward				11,741	
Totals	0	0	437	30,863	31,300

The College of Nursing installed new and updated computer and audio visual equipment in room 22NB. All of the above expenditures and encumbrances are related to this purchase and installation of equipment. The reserve account for future year or carry forward is due to the project estimate was over the actual cost of the project by \$11,741. This was not discovered until the end of the year. This carry forward will be fully utilized within FY06.

## College of Pharmacy

### ***Allocation bodies***

The College of Pharmacy uses the Information Technology Committee for making recommendations regarding the spending of allocated Student Computing Fees. The committee is comprised of:

- ◆ 1 faculty representative from each Academic Division,
- ◆ 1 staff representative from each Service Division,
- ◆ 1-2 staff representatives from each Administrative Office,
- ◆ 1 staff member from ITS,
- ◆ 2 graduate students,
- ◆ 2 staff members from the COP-IT Office, and
- ◆ 1 PharmD Student

The committee meets monthly during the spring and fall semesters and works closely with the Dean, the Office of Academic Affairs, the Pharmacy Practice Lab, and the College IT Office. Individual faculty and Student Council representatives are often consulted and encouraged to make specific hardware and software recommendations.

### ***Description of funded personnel, projects and expenditures***

Project or expenditure	Salaries/ wages	licenses and subscriptions	hardware	all other	total
ITC monitors and IT support (7 students, 2.25 FTE)	24,010				24,010
Merit, P&S IT & web support (1.0 FTE)	34,227				34,227
Drug Information Databases/PDA		10,672			10,672
Misc. Software (Photoshop, etc.)		1,632			1,632
22 Student Laptops			17,906		17,906
Laptop Infrastructure			1,644		1,644
Classroom Support			2,473		2,473
Student Server Back-up			3,180		3,180
Encumbered Drug Info Lic.		6,464			6,464
Encumbered Aud Upgrade			3,345		3,345
Totals					105,553
Carry-forward funds					4,547
<b>totals</b>	<b>58,237</b>	<b>18,768</b>	<b>28,548</b>	<b>4,547</b>	<b>110,100</b>

## College of Public Health

### ***Allocation bodies***

The College of Public Health Computation and Informatics Committee met to discuss the allocation of Student Computing Fee funds. The College was allocated \$34,800 from Student Computing Fee funds and received a \$5,200 supplement for FY2006. In addition, \$9,456.81 was carried over from FY2005 Student Computing Fee funds, giving us a total of \$49,456.81. The Computation and Informatics Committee is chaired by Dr. Brian Kaskie, Assistant Professor of Health Management and Policy. The committee is comprised of one faculty member from each department, a student elected representative from each department, and several administrative staff. The College consists of the departments of Biostatistics, Community and Behavioral Health, Epidemiology, Health Management and Policy, Occupational and Environmental Health and Public Health Genetics.

### ***Description of allocation process***

The Director of Information Technology for the College of Public Health began the process by contacting the chair-person of the Computation and Informatics Committee, at which a meeting was scheduled to discuss Student Computing Fee fund allocation. The elected student representatives from each of the six departments within the College are participants/members on the Computation and Informatics Committee. The Committee meets regularly during the year to discuss IT related issues, including the Student Computing Fee funds. The Director of Information Technology advised the Committee of the technology needs of the collegiate student computing facilities. The student representatives were asked to survey students within their respective departments to determine allocation of Student Computer Fee funds.

### ***Description of funded personnel, projects and expenditures***

Project or expenditure	Salaries/ wages	licenses and subscriptions	hardware	all other	total
Personnel	0				
Software (SAS, SPSS, Splus)		5,650			5,650
Keyserver Client Software		231			231
Ghost Client Software		420			420
EndNote Software		580			580
Printing Supplies (paper, toner, maintenance)				4,547	4,547
Maintenance and Hardware			581		581
totals		6,881	581	4,547	12,009

The College of Public Health purchased annual statistical software licenses for SAS, SPSS, and SPLUS for the desktop workstations in the collegiate student computing labs. In addition, Student Computing Fee funds were used to purchase Symantec Ghost Client and Thomson EndNote 9.0 software licenses for the desktop workstations in the collegiate student computing labs. In an effort to manage all the software in the student

computing labs and take advantage of concurrent licensing, Sassafras Keyserver software metering client license renewals were purchased and implemented. Roughly \$4600 was allocated to printing supplies in the collegiate student computing labs, including paper, toner, and maintenance. The remaining \$37,448.03 was retained for the next fiscal year. We will combine these funds with the FY2007 allocation in an effort to replace several of the desktop computers and to facilitate other extensive purchases, such as laptops, printers and scanners.

# Graduate College

## ***Allocation bodies***

Notification was sent to departments/programs stating the allocation of resources from the Student Computer Fee funds. Each department/program met with faculty and student groups to determine their needs and proposals were sent to the Graduate College.

## ***Description of allocation process***

Each department/program had student input as follows:

- Urban & Regional Planning – discussion with current students
- School of Library Information & Science – LISSO (student organization)
- Immunology Graduate Program – discussion with current students
- Neuroscience Graduate Program – proposal by current graduate students

The Dean of the Graduate College, Director Human Resources & Finance, and the College’s senior IT person made the final decision which proposals would be funded. The proposals that would assist the most graduate students received first priority.

## ***Description of funded personnel, projects and expenditures***

Project or expenditure	Salaries/ wages	licenses and subscriptions	hardware	all other	total
Replace computer in the Immunology Library			1,500		1,500
Purchase licenses for Adobe Acrobat, Adobe Photoshop, and Endnote in the Neuroscience Program		400	1,000		1,400
Desktop computer for Program Lounge					
School of Library Information & Science new license for Apple Server, Upgrade Network to 1000Base-T from 100Base-T and added storage to departmental server			3,504	5,000	8,504
Urban & Regional Planning purchased two new Dell 470 Computers			7,000		7,000
Totals					
Carry-forward funds				996	996
Totals	0	400	13,004	5,996	19,400

The remaining \$996 will be carried forward to FY07.

# Innovations in Instructional Computing Awards

## Academic Technologies Advisory Council

**Purpose:** The goal of the Innovations in Instructional Computing Awards is to raise the level of instructional computing at the University of Iowa by supporting significant and innovative instructional computing projects that have the potential to improve the education provided to students throughout the university. These projects are considered as "proof-of-concept" projects that are new to The University of Iowa.

**Priorities:** In the spirit of innovation, all new ideas are welcome, with a focus on instruction. Priority is given to projects that, if proven successful, can be replicated throughout the University. Cross-disciplinary projects are encouraged, but not required.

**Audience:** Projects that primarily improve the instruction of undergraduates are encouraged. However, this program is not limited solely to undergraduate education.

### ***Description of allocation process***

A total of \$103,299 was available for awards. The number of awards is determined by the quality of the applications. A single award or numerous ones may be made. Applications can be made to support the costs of hardware, software, and personnel (excluding faculty salaries).

Evaluation Team: The evaluation team consisted of the members of the Academic Technologies Advisory Council (listed at <http://www.its.uiowa.edu/at/atac/> ).

#### Process Summary:

- ATAC formed a sub-group to determine which proposals met the criteria and should be considered for funding.
- An AT staff member was assigned to advise the sub-group on:
  - The technical feasibility of the proposed projects
  - Activities on campus that may be relevant to the proposed projects
- Sub-group reviewed all proposals and recommended those that met the criteria.
- Entire ATAC approved the recommended proposals and interviewed applicants of those proposals. Additional information was solicited from the applicants during this second phase, including detailed budget information; project timeline and milestones; letters of support from DEO and Deans.
- Based on the interviews, ATAC then determined which projects to fund and how the funds should be distributed to the projects.
- Applicants, DEOs and Deans were informed of the awards.

### **Description of funded personnel, projects and expenditures**

PI & co-PIs	Title	College	Amount Funded
Carlos-Eduardo Piñeros	An Audiovisual Library of Spoken Spanish	CLAS	22,095
Amanda J. Owen	Videos of Normal Language Development for Use in Instructional Settings	CLAS	25,600
Jerald Moon & Jim Duncan	Using Web-Based Interactive Virtual Reality to Teach Human Laryngeal Anatomy	CLAS	25,972
Stephen Alessi	Tools for Educational Multimedia	EDUC	25,232

### **Funding approved in FY05**

An additional project was awarded a second year of funding.

Baker	Geoscience scanning	CLAS	1,150
Pusack, Otto	Flash ObjectMover	CLAS	3,250

The deadlines for these projects were extended to December 1, 2006, to give the awardees sufficient time to complete the work. The funds were not allocated until winter 2006. Unspent funds are carried forward to FY2007.

Project	Salaries / wages	Licenses / subscriptions	Hardware	All other	Total
Piñeros	19,800			2,295	22,095
Owen	24,500			1,100	25,600
Moon, Duncan	22,272		3,500	200	25,972
Alessi	25,232				25,232
Baker	1,150				1,150
Pusack, Otto	3,250				3,250
<b>Totals</b>	<b>96,204</b>	<b>0</b>	<b>3,500</b>	<b>3,595</b>	<b>103,299</b>

## ITS-Academic Technologies

In FY06, Academic Technologies provided support, with funding from Student Computing Fees, to the following activities.

### Digital Plagiarism Tool

At the request of the Provost's Office, AT licenses the software package, Turnitin, for faculty and students to use to check the originality of their writing assignments. AT staff oversee the license contract, manage local account management, and provide support to faculty and students using the software.

Turnitin software license \$19,966

### Student Technology Assistants

This program trains students in web-production skills and assigns them to work directly with faculty to produce course-related web sites. During this past year, the SITAs assisted faculty in all colleges in moving their web-based course sites to ICON (Iowa Courses Online), the new course management system for Iowa.

Total Allocated \$107,600

### Course Management Systems (CMS)

In FY06, Academic Technologies continued migration from two CMS's (Blackboard and WebCT) to a single, centrally managed system (ICON: Iowa Courses Online). This year's project costs supported by Student Computing Fees are detailed in the chart below:

	FY06
<b>ICON Project Costs</b>	
D2L Software License	\$156,140
Legacy Software (Bb & WebCT)	\$137,500
Hardware, Software (Implementation)	\$5,983
Hardware (Load Balancer - 2 servers)	\$46,700
D2L Consulting, Imp. And Integration	\$46,667
Training (from D2L)	\$2,224
<b>Total</b>	<b>\$395,464</b>

Project or expenditure	Salaries/ wages	Licenses / subscriptions	Hardware	All other	Total
Turnitin software		19,966			19,966
Student Technology Assistants & Other faculty support	107,600				107,600
Course Mgmt Systems	54,874	293,890	46,700		395,464
Carry forward				42,286	42,286
<b>Total</b>	<b>162,474</b>	<b>313,856</b>	<b>46,700</b>	<b>42,286</b>	<b>565,316</b>

## **ITS Campus Services and ITC Support**

In FY06, Campus Services provided support, with funding from Student Computing Fees, to the following activities.

### ***ITC Support***

Instructional Technology Centers (ITCs) provide students access to the University's academic computing resources and the Internet and encourage departments to integrate computing into their academic programs. All ITCs are interconnected by a campus network to provide maximum connectivity to common campus resources such as the library system catalog (Info Hawk), the online student registration (ISIS), and commonly used software packages. The ITCs also provide assistive technology access to screen magnifiers, Braille embossers, and a variety of assistive software titles.

ITC Support, a division of Campus Services, is responsible for allocating and managing equipment in the ITCs. Allocations are made based on: 1) discussions with departmental-based ITC coordinators and representatives, and 2) usage information collected from the computing facilities. Equipment is often shifted from one location to another to increase equipment in heavily used locations and decrease resources in facilities that are not so heavily used.

In FY06, ITC Support replaced 210 Windows Desktop computers and 76 Macintosh desktop computers in the ITCs. For 302 additional computers, we extended the warranty for 1 year to delay replacement until the release of Microsoft Windows Vista. In addition to replacing computers, ITC Support also placed new scanners across all ITC locations, replaced several ITC classroom projectors, and replaced the costly fiber optic security system currently in place in ITCs.

See the table at the end of this section for a detailed accounting of the equipment and software purchased for the ITCs in FY06.

Total Allocated	\$480,000
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### ***Campus Services***

Funds are also used to provide salary support for student services provided by ITS-Campus Services. Each year, Campus Services management assesses the best way to allocate the salary contribution from Student Computer Fees for the various parts of central student technology services provided by the department. For example, about 40% of the calls to the Help Desk have been from students; hence, the Help Desk SCF salary contribution is set at approximately 40% for that unit. SCF makes only a contribution to departmental salaries in these areas; the remaining cost is born by General Education Funds.

FY06 funds were used to support the following services:

## **Help Desk**

The Help Desk provides information and problem resolution to students on a wide range of computer hardware and software, networking, and computer access, including remote and wireless access and HawkID services. The Help Desk also offers site-licensed software (at no cost) to students via a web site download service or via CD. The Help Desk supports a Computer Demo Center where students can try out the latest computer technology and seek advice on purchases. The Help Desk also partners with the University Residence Halls to provide support for the ResNet at Iowa program, which provides all students living in residence halls with a computer data port that provides a fast, direct Ethernet connection to the campus network and the Internet.

Total Allocated \$286,400

## **Application Support**

Application Support provides support to students for a variety of computing services and software applications. These services include email, online calendar, web technology, file storage, printer services, online surveys, and statistical software support.

Total Allocated \$75,750

## **ITC Operations**

The ITC Operations coordinates supply and equipment procurement, facility usage, policies and procedures and other aspects of daily operations for campus ITCs and UI Library public computing facilities, including staffing in the Main Library ITC.

Total Allocated \$172,350

## **ITC Tech Support**

ITC Tech Support installs, maintains and supports the computers, software and printers installed in ITCs and UI Library public computing facilities across campus. Additionally this group develops and supports web-based applications for campus including ITC Print Accounting, MyFiles, and Remedy.

Total Allocated \$153,000

## Description of funded personnel, projects and expenditures

Project or expenditure	Salaries/ Wages	Licenses/ Subscriptions	Hardware	All Other	Total
<b>ITC Expenses</b>					
Windows Refresh (210)			157,500		157,500
Macintosh Refresh (76)			103,500		103,500
ITC Software		56,200			56,200
Printer Repair Kits/Memory			15,300		15,300
Computer Security				8,435	8,435
Peripherals (Scanners)			10,200		10,200
Projector Replacement			7,650		7,650
Warranty Extension (302)				10,600	10,600
Virtual Desktop		8,900	8,900		17,800
ITC Bench Equipment			3,350		3,350
Reserve for future ITC Refresh				89,465	89,465
<b>Salaries &amp; Wages (% funded from SCF)</b>					
App Support (9.0%)	75,750				75,750
Help Desk (36.6%)	286,400				286,400
ITC Support (59.4%)	172,350				172,350
ITC Tech (44.7%)	153,000				153,000
<b>Total</b>	<b>687,500</b>	<b>65,100</b>	<b>306,400</b>	<b>108,500</b>	<b>1,167,500</b>

## ITS Telecommunications and Network Services

In FY2006 TNS received allocations from student computer fees to help fund two services:

### **Remote Access**

Remote access is commonly known as dial-up Internet access. Students are able to use their computer modem to get Internet access by dialing local telephone access codes for no charge or a nationwide 800# for 10 cents per minute.

In FY2006 approximately 3014 students used the service during 1,117,460 different sessions for a total of about 95,890,587 minutes.

The \$136,442 spent on remote access covers the cost paid to the outsourced service provider, modem access lines and support. This allocation was endorsed by the Student Technical Advisory council, and was supported by student surveys regarding technology services.

### **Wireless Network**

The campus wireless network service allows authenticated access to the campus networks and Internet with appropriately equipped computers and devices using the 802.11a/b/g standards.

The continuing growth in this service has been driven primarily by student use. In FY2006 approximately 8756 students used the wireless service during 6,782,050 individual logins, passing about 933,986,734 KB of data.

Allocation of SCF for this service was based on the high demand for the service by students and endorsed by the Student Technology Advisory Council. The \$103,558 was used to cover about one-half of the salary of a data network engineer to design, manage and support the service and to pay for hardware and maintenance of the wireless network gear. This represents about one-half of the salaries actually used to directly design, manage and support the wireless network.

### **Description of funded personnel, projects and expenditures**

Project or expenditure	Salaries/wages	licenses and subscriptions	all other	total
Remote access	12,000		124,442	136,442
Expand wireless network	43,759		59,799	103,558
totals			240,000	240,000

## General Assignment Classrooms

### *Allocation bodies*

Allocation to Space Planning and Utilization for classroom management.

### *Description of allocation process*

A sum of \$200,000 was allocated to Campus and Facilities Planning, Classroom Management Services, to support, maintain and provide technology in the general assignment classrooms. There are 216 general assignment classrooms in which the majority of the University's undergraduate curriculum is taught. Two priorities determined the use of funds: addition of instructional technology to classrooms and replacement of existing classroom technology as needed.

### *Description of funded personnel, projects and expenditures*

Project or expenditure	Salaries/ wages	licenses and subscriptions	hardware	all other	total
Add 5 new technology rooms, in MLH and MH			60,000		60,000
Replace 4-year-old computers			54,900		54,900
Replace 14 "Destination System" monitors			28,000		28,000
Replace 2 "Destination System" monitors with new monitors			3,200		3,200
Replace projection screens in VAN LR1 and LR2			4,381		4,381
Replace VAN LR1, LR2 projectors with high-resolution projectors. Install dual projection in both rooms.			48,000		48,000
Replace projectors in BBE 101 and PH 100 with high-resolution projectors. Install dual projection and matrix switcher in BBE 101.			41,000		41,000
Replace data projector in Shambaugh auditorium.			12,000		12,000
Spare projector for BHC smart boards			7,400		7,400
Replace stolen computers and projectors			7,700		7,700
Software licenses		4,500			4,500
Total of projects		4,500	266,581		271,081
Total allocation					200,000

These purchases and modifications in general assignment classrooms are coordinated with Associate Provost for Undergraduate Education.