Georgia State University
FY 2012 Student Technology Fee Awards

Proposal #	Major Unit	Dept	Title	Project Description	FY2012 Requested
1.01.1	RCB	Finance	Student Classroom Learning Enhancement through Financial Market Data Experiences	The purpose of this initiative is to enhance student learning at both the undergraduate and graduate levels by closely integrating classroom theory and concepts with real world application. To accomplish this goal we, the Departments of Finance, Managerial Sciences, and the School of Accountancy, are seeking to integrate the use of capital market databases into our classes. This will allow students to test and apply financial and business models using real life data, thus helping achieve a major learning objective of our programs and fulfill a strategic goal of the RCB.	$194,081
1.02.1	RCB	Career Management Center	Career Management Systems for all GSU students – Joint proposal from RCB Career Management Center and University Career Services	This proposal has been jointly developed by the Robinson Career Management Center and University Career Services in order to provide all Georgia State University undergraduate and graduate students with 24/7 access on or off campus to outstanding career resources. Given the challenging job market and staffing challenges our office face in the face of rising enrollment it is more challenging than ever to meet our objective of delivering individual career development and job/internship search support to students. This proposal provides students with access to career resources which enhance our ability to accomplish this objective. We ask the Student Technology Fee committee to support our request for resources to purchase site license access for all GSU students to use the Career Management resources identified in this proposal. Our request includes continued funding of resources originally funded by Student Tech Fee due to departmental operating budget constraints.	$116,866
1.03.1	RCB	Computer Information Sysyem	Forensics lab Expansion and Upgrade	The proposed project will upgrade the CIS computer forensics study center for student use. The current center is underpowered and the software is out-of-date, making the center unusable. The study center provides a facility in which students can conduct study projects in preserving, recovering, and analyzing digital information stored in computer systems and networks. The study center supports studies in computer incident response, data recovery, digital archeology, digital cryptology, digital steganography, accounting forensics, etc. It serves students in such studies as computer and information security, accounting, auditing, risk management, criminal justice, computer science, law, and graphic design.	$89,174
1.04.1	RCB	RCB Systems Support	Upgrade CS600 up to a Level 3 Classroom	This is a joint venture between Robinson College of Business and IS&T. We are bringing this classroom up to IS&T standards which will make it easier for IS&T to support. It will also provide faculty with a standardized interface. The equipment in this classroom has not had a complete renovation since 2002. The equipment in this classroom has components that are failing and are discontinued. This classroom serves both the graduate and undergraduate capstone classes.	$68,170

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1.05.1	RCB	RCB Systems Support	Replace Obsolete Student Computers	The graduate students are working on computers that are obsolete based on the university minimum performance criteria. The purpose of this proposal is to replace the workstations for graduate students to enable their access to equipment that will enable them to fulfill their roles as graduate students in master's and doctoral programs in business. More and more, successful completion of master's and doctoral programs depends on access to discipline-specific software, current versions of which require current hardware configurations. RCB821 is used by both graduate and undergraduate students for instructional purposes using specialized business software that is not available in other university labs. It is used for specialized exams, for research projects and for training in myRobinson, etc. It is also used to train RCB students in the School of Accountancy for the Deloitte, Touche competition. Many instructors use the lab as needed for its excellent audio/visual equipment, its collaborative setting and for its location in this building.	$63,350
1.06.1	RCB	Marketing	Technology Requests for Business Communication Program	The Business Communication Program (part of RCB Marketing) serves more than 1,200 undergraduate students each year in a required course, BCOM 3950. The following resources would increase effectiveness in meeting key objectives of the program, such as delivering professional presentations and crafting thoughtful communication strategies: Five Sony minicams and five tripods. Instructors will use the equipment in multiple locations to record student presentations. 20 Flip cameras -- Instructors will check out the cameras to students who wish to record presentations and create podcasts. The cameras produce good quality video and sound, are easy to use, and give students immediate feedback.	$5,275
1.07.1	RCB	Computer Information Systems	Interactive Java and C++ Online tutorial software	By far, the greatest number of student requests in the CIS Department is for the department to provide tutors knowledgeable in programming in the various programming courses we offer. However, finding student assistants, who themselves have limited knowledge, is problematic. The cost of GRAs is prohibitive, while the quality of undergraduate tutors is varied and questionably effective. Through the use of Pearson Educations MyProgrammingLab, students will gain first-hand programming experience in an interactive online environment. This product will provide our students with anytime, anywhere access to a consistent, quality series of interactive tutorials, eBooks, and videos for the programming language offerings.	$18,000

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1.08.1	RCB	RCB Systems Support	Upgrade CS609 up to a Level 2 Classroom	This is a joint proposal between Robinson College of Business and IS&T.The technology in this room has become problematic. RCB is bringing this classroom up to a stanard IS&T level 2 classroom so IS&T can support the classroom more effectively. It will also provide a standardized interface for faculty. CS609 is the primary space for Business Communications which also participates in a joint venture with Career Services to integrate professionalism into the students curriculum.	$31,663
1.09.1	RCB	Computer Information Systems	Automated backup system for the Student Virtual Lab	The CIS department would like to pursue Tech Fee funding for an automated backup system for the Student High Performance Virtual Lab and database servers. Currently there is no backup solution in place. All student VM Servers and database servers are not being backed up because we do not have the equipment, software, or capacity to do so. These systems need to backed up nightly to help prevent loss of data and productivity. Also, this is an excellent way to help protect against viruses, deteriorating hard drives, disasters and human errors.	$84,329
1.10.1	RCB	GSU	Mobile Classroom Response System	If one searched Google for the most requested emerging technology at universities, mobile applications would be the first of second choice for most institutions. Many universities have already funded utilitarian applications for students. Most, including GSU, are developing applications for student to see calendars, schedules, registration information, etc. What very few universities have developed are mobile applications for use in the classroom. This funding request is to provide smartphone interfaces for iPhone, Blackberry, and Android operating systems. This interface will link to an existing application suite developed by txtQuest, LLC. These applications provide mobile functionality to what has been known as "clicker" systems.	$40,000
			RCB Total:		**$710,908**
1.01.2	COE	Dean's Office	My Educational Research Tutor (MERT)	This proposal provides iPads to each of the approximately 75 new doctoral students entering the College of Education. The objective of this project is to use the iPads to enhance students research knowledge and skills and integrate students into a culture of research that supports their retention, progression, graduation, and career success. Akin to the Critical Thinking Through Writing Initiative, MERT provides students with a comprehensive tool for developing their scientific and critical thinking skills, and other critical habits of mind that promote success in a variety of careers.	$52,425

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1.02.2	COE	Dean's Office	Student Profolio Streaming Media Server	Purchase server hardware and software to provide a platform to: (1) provide multimedia content delivery to CoE students; (2) to enable students to post video material,as part of their Student Teaching portfolio and On-Site teaching experiences, for CoE faculty evaluation and (3) to easily stream video content over a variety of formats for inclusion in existing faculty and student websites and/or for display on various platforms, such as desktop, laptop, iPad or SmartPhone.	$19,325
1.03.2	COE	Kinesiology and Health	Software for Real-Time Musculoskeletal Visualization and Analysis in Biomechanics	Biomechanics is a critical core concept for students in Kinesiology and Health, but it is challenging to teach due to the complex three-dimensional nature of human movement. This proposal will implement Polygon software, a tool for advanced, real-time visualization of movement. Using our existing motion analysis system in the Biomechanics Laboratory, Polygon will reconstruct motion in a musculoskeletal model. Students will be able to see their own motion from any angle as a moving skeleton alongside graphical displays of force vectors, joint angles, and muscles. We expect this feedback to explain biomechanics more effectively than hours and hours of lectures.	$10,760
1.04.2	COE	Educational Psychology and Special Education	Deeper Processing On-Line: Improving Comprehension and Writing Skills	We propose providing students with a digital pen/tablet technology, specifically the Bamboo Pen (developed by Wacom), as an aid in comprehension of on-line materials. The Bamboo Pen comes with a small, thin, and light external writing pad that is simply plugged into PCs or Macs. The digital pen/tablet technology allows students to use the pen on the tablet to underline digitized texts, make notations or write questions in margins, circle or otherwise indicate important terminology, and draw illustrations to improve comprehension, etc. for most on-line materials. The pen is also a valuable aid to learn how to better edit papers. The Bamboo Pen will be used in eight sections (four in the fall term and four in the spring term) of an undergraduate class open to all undergraduates and instruction will be provided by instructors on using the Bamboo Pen for improving comprehension and writing. Instructors for the classes will be Drs. Karen Zabrucky and Nannette Commander.	$18,748
1.05.2	COE	Deans' Office	COE Doctoral Student Workroom Hardware and Software Expansion	To better serve the needs of the College of Education Doctoral students we would like to be able to provide a couple of additional workstations, a faster higher capacity printer and several upgrades or additions to the software available to them on the workstations in the Ph.D. Workroom. Approximately 100 doctoral students are signed up to use the space. The doctoral students who use the room were surveyed Fall 2010 to find out what they feel would useful upgrade or additions to their area. This proposal includes items from their feedback.	$23,769

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1.06.2	COE	Kinesiology and Health	What do I see? Tracking my Students and Flipping my Reflections	The goal of this year Tech Fee grant is to train teacher candidates to notice more K-12 student learning activities during instruction. Teacher candidates at the beginning of their career tend to be "too focused" on their instruction and "miss" some key aspects that potentially could contribute to learning outcomes. The purchase of the hats and sunglasses camcorders devices along with the Flip camcorders will assist in training teacher candidates to expand their focused attention during instruction. In addition, the Flip camcorders will assist in capturing the "on action" teacher's reflection (following instruction) instantly in the visual dimension. Moreover, the Flip camcorder will be utilized by the teachers and K-12 peers for documentation of assessment outcomes during k-12 instruction.	$15,926
1.07.2	COE	Kinesiology and Health	Increasing student teaching success through the use of technology	As a means to increase the utilization of technology in classrooms, it is essential that student teacher learn how to use the technology that will impact student learning. Student teachers in the area of health education will use interactive feedback technology with students to determine student learning and to reteach specific content that their students may not have achieved mastery in.	$5,841
COE Total:					**$146,794**

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1.01.3	CHHS	Nursing	Expanding Integration of Simulation Models in Nursing Education	The purpose of this proposal is to provide nursing students with the latest computer simulated patient manikins. The manikins will provide students with realistic patient care scenarios during their clinical simulation/skills lab courses. The computer controlled manikins replicate human responses to illness and allows nursing students to practice and problem solve realistic patient-related occurrences within a laboratory controlled environment and prior to their rotation in a clinical setting. The Byrdine F. Lewis School of Nursing moved into their new clinical simulation labs during the summer of 2010. The new faculties provide space specifically designed to support and house these computerized manikins.	$125,730
1.02.3	CHHS	School of Health Professions	Pediatric and Adult Critical Care Simulators	The goal of this proposal is to create a cutting-edge learning environment for students where faculty can simulate real-world critical care scenarios using patient mannequins. The technology included in the equipment considered for this proposal allows for the simulation of various forms of cardiac and respiratory arrest where students may gather and utilize such important data as respiratory rate, EKG, pulse oximetery readings, level of consciousness, etc. in an attempt to treat "patients" in a secure setting that mimics what they may be exposed due in the clinical environment. The mannequin technology also allows for real-time treatment to occur while allowing faculty to control patient response.	$134,540
1.03.3	CHHS	Institute of Public Health	Advanced Statistical Training for PhD and Master's Students	This Student Technology Fee proposal is aimed at building computer equipment and software resources to improve our training of MPH and doctoral students in statistical data analysis and research methodology.	$52,759
1.04.3	CHHS	School of Health Professions	Video Assisted intubation Trainer	A video assisted intubation trainer utilizes cutting-edge equipment for student use in the laboratory setting prior to their use on patients at the clinical site. The laboratory instruction allows students to safely practice in a secure location, prior to use on patients at a clinical site. The GlideScope video assisted intubation device is designed for a wide variety of clinical settings and can be used in difficult, as well as routine intubations. GlideScope video laryngoscopes provide a consistently clear, real-time view of the airway and tube placement, enabling quick intubation.	$92,100

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1.05.3	CHHS	Divison of Health Professions	Quark CPET, Breath by Breath Metabolic Cart with 12 Lead EKG	The Quark CPET, Breath by Breath Metabolic Cart is a diagnostic testing machine that is used in hospitals and laboratories and schools around the country . The metabolic stress test measures the performance of the heart and lungs while they are under physical stress. If you have shortness of breath or chronic fatigue, the metabolic stress test can determine if your symptoms are due to a medical problem (such as heart or lung disease) or due to poor fitness. The test is also used to: Assess how fit your heart and lungs are Measure your heart's ability to do work (functional capacity) Determine if certain surgical treatments are appropriate for you Evaluate the effectiveness of your cardiac treatment plan Help you develop a safe and effective exercise program The Quark also measuring rest metabolism that assesses nutritional needs of subjects. Understanding the physiology of the pulmonary and cardiac system is an integral part of learning in the RT program. The Quark CPET also includes a 12 lead ECG that measures the heart for abnormalities either during exercise or at rest.	$34,879
1.06.3	CHHS	Respiratory Therapy	Mechanical Ventilator for student lab in Ventilator I and II course	Mechanical ventilators are life support systems for newborn, pediatric and adult patients. New stategies in patient management are constantly developing and require the most current technology to prepare students. This equipment will provide both undergraduate and graduate respiratory therapy students with hands-on experience in a simulation aboratory to enhance clinical performance and competence prior to attending hospital rotations in the intensive care unit.	$24,500
1.07.3	CHHS	School of Health Professions	RT Clinical Technology Assistant	The Division of Respiratory Therapy students utilize an online clinical education service to complete and store all clinical documents during their 2 year program. Students complete clinical rotations at 30 different clinical sites in metro Atlanta. Due to increasing security measures students are not allowed access to hospital computers. However, sites have offered patient Wi-Fi networks for GSU to gain access to the clinical education service. I-pads will be utilized at each site to allow students a direct line to their clinical education material. I-pads provide a compact, portable, and cost-effective device to for student to gain access.	$15,000
1.08.3	CHHS	Institute of Public Health	Real-time microbiology analysis in the teaching laboratory	The Institute of Public Health requests 5 ATP hygiene monitoring systems, portable scientific instruments that sample food, water, air, and surfaces for bacterial contamination in real time. They will be used in courses required for the Master of Public Health degree, including Environmental Health and Sampling of the Environment. We will assess students' skill development with instruments during these courses, and use these assessments to evaluate the project. This instrumentation will build capacity to take students into the field for experience with real-world sampling methods and teach courses that incorporate practice, technology and skills used by environmental health professionals.	$6,330

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1.09.3	CHHS	Social Work	Software for Teaching Graduate Students	Students would be taught SPSS in their research course, and integrating their skills in their internship experiences.	$1,480
CHHS Total:					**$487,318**
1.01.4	COL	Information Technology	Student Labs, Clinics,and Organizations Equipment Replacement	Replace outdated computers in the Student Computer Lab, Student Clinics, Student Organization Offices, and Law Library research alcove. These computers are all over four-years old, deteriorating rapidly and out of warranty.	$138,574
1.02.4	COL	Information Technology	Student Classroom Amplification System Pilot	This proposal would outfit one large classroom with a student classroom amplification system. Microphones located at the students desks could be activated to amplify a students voice in order that 1)other students can hear and 2)the classroom capture system can record student comments.	$48,757
COL Total:					**$187,331**
1.01.5	A & S	Communication	Digital Journalism and New Media Lab Upgrades	The aim of this proposal is to update computers and A/V systems in three labs in the Department of Communication that exceed the university's standard for obsolescence and address the manufacturer's discontinuation of support on lab equipment. The targeted labs include GCB 105, CS307, and OPP202 undergraduate/graduate new media production labs for Journalism, Film/Video majors and M.A. Communication students, which were last updated in 2006/7. The primary goal is to reduce ongoing instructional issues caused by equipment malfunction as well as lack of availability to students due to complete failure. This will be accomplished by upgrading the computers, projection systems, discipline specific software, and production equipment needed for course assignments.	$284,865
1.02.5	A & S	Biology	Enhancing Undergraduate Biology Instruction With Technology	The objectives of this proposal are (a) to replace outdated laptops and projectors in six teaching laboratories, (b) to provide access to laboratory technology for directed undergraduate research and (c) to maintain software licenses and a poster plotter. The laptops and projectors serve more than 4,000 students annually. There is increased demand for research experience by undergraduate Biology majors; in response, the Biology Department is establishing three undergraduate research laboratories. Essential equipment is requested to help outfit them. The Biology Department has offered to match $28,000 in supply expenditures if this proposal is supported at the 75% level or higher.	$345,542

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1.03.5	A & S	School of Art & Design	AH211 Computer Lab Computer Hardware, Software, and Room Upgrades	This funding request is for the upgrade and renovation of AH211, an existing Macintosh-based computer lab that currently serves as a dedicated School of Art and Design digital classroom 5 to 6 days per week, each semester. AH211 requires replacement of its outdated Macintosh computer hardware and software, as well as replacement of computer desks, and in keeping with other university initiatives, removal of its raised computer flooring while reconfiguring the network and electrical layout within this facility. Replacement of printers, projection, and audio equipment are also needed within this facility. AH211 will continue to be scheduled 5+ days per week for art courses which are dependent upon digital curriculum. Software upgrade plans will match versions within the the Creative Media Center (CMC/AH460), the Graphic Departments Macintosh Classroom (AH468), as well as the Graphic Design Graduate Lab/Classroom (AH463). In addition, this request includes replacement of the existing malfunctioning laser printer with a new 11 x 17 b/w laser printer, and an 11 x 17 color laser printer. These upgrades are critical to the agenda of the school as the proliferation of new media (digital photo, video and sound media) continues to evolve as an integrated component within all Art and Design curricula. The overall goal of this proposal is to seek funding that enables AH211 to support the schools evolving application of traditional fine art, graphic design, photographic, film, new media, and sound art methodologies.	$192,921
1.04.5	A & S	Math	The MILE: The Mathematics Interactive Learning Environment	MILE 1 and MILE 2 labs provide interactive learning using web-based materials provided by text-book vendor. Together, labs provide over 200 computer stations and serve over 2800 undergraduate students (60 classes of 47 students) taking College Algebra & Pre-Calculus and Elementary Statistics. MILE 1 and MILE 2 request updates to technology and facilities components to accomplish their mission to support the redesign of the delivery of math curriculum within a learning environment designed to be student-centered, using an array of interactive materials and activities through mathematical software (MyMathLab).	$151,652
1.05.5	A & S	Psychology	Enhancing Psychology Instruction Through Technology	Our proposal aims to use technology to benefit students in three ways. First, we will expand our new instructional space in Kell Hall to outfit smaller break-out laboratories for upper division courses. Second, we will upgrade software in our Kell Hall computer lab to provide students with training in data analysis techniques. Third, we will develop and broadly disseminate electronic learning modules that build upon the instructional material in PSYC 2030, Careers in Psychology, to teach undergraduate students about graduate school and career opportunities in psychology. Electronic tools to enhance our academic advisement objectives will be folded into this aim.	$119,160

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1.06.5	A & S	Chemistry	Updates of Core Instructional Chemistry Software Licenses	ChemDraw by CambridgeSoft and Spartan by Wavefunction are two core software packages used in several Chemistry courses. A Department of Chemistry FY2005 TechFee award funded both ChemDraw and Spartan licenses. However; these packages are now out-of-date and require updating. This proposal seeks funding to update ChemDraw and Spartan. A second goal of this proposal is to fund replacing four failing computer-controlled titration workstations. These workstations were originally funded by FY 2003 Technology Fee award "Equipment Upgrade for Fundamentals of Chemical Analysis laboratory".	$191,900
1.07.5	A & S	English	Updating English Classroom Technology	This proposal seeks to update technology hardware and software in two of the English Department Classrooms, and update techology used by the writing studio to replace out of warranty laptops (some of which have been cannibalized for parts). Urban LIfe 302c is the main focus of this proposal because the machines in that classroom are not able to run todays software, are out of warranty, and a few have already died.	$34,821
1.08.5	A & S	Geosciences	Technologies for the Geosciences 2011	This proposal aims to equip Georgia State University students with the technology needed for classroom and research success. The focus of this proposal is in four main areas (1) ongoing tech fee expenditures (GHEAK, ATCOR, and Adobe licensing), (2) Department of Geosciences new initiatives for students (sedimentary laboratory microscopes), (3) Network storage (iSCSI) storage for GIS data repository and Campus Mapping Project databases accessible to all GSU students, staff, & faculty, and (4) replacement of outdated and failing technological equipment (, notebook computers, and large format poster printer). These requests keep us in step in our ability to provide technological support for our students.	$114,006
1.09.5	A & S	Schlool of Music	Music Technology for Classrooms and Student Laboratories Equipment Upgrades	Proposal goals include a continuation of the upgrade to student labs in the School of Music begun with a 50% Technology Fee award in AY 2011. The targeted labs include ST 1110, ST 1116 (undergraduate and graduate labs for music and new media), and the School of Music Media Center (HH 400). The aim is to upgrade foundational music technology equipment from analog to digital format and bring associated production equipment to currency enhancing pedagogy and student access and eliminating serious instructional issues. Second, the School of Music will acquire two eight-channel sound diffusion systems for instruction and concert production.	$244,697
1.10.5	A & S	Computer Science	SUN/Sparc Server for Instruction	The proposal request funding for a SUN SPARC server to replace a 10-year old SUN SPARC Ultra 80 machine.	$6,950

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1.11.5	A & S	School of Art & Design	AH460 Creative Media Center & AH468 Software renewals, Digital Equipment Checkout enhancements, & AH463 GRD Lab/Classroom build	This funding request is for the purchase of software upgrade plans for the Macintosh computers within the Creative Media Center (CMC/AH460), the Graphic Departments Macintosh Classroom (AH468), as well as (6) new sets of licenses for new computers requested for AH463. In addition, this request includes enhancements to the CMC/AH460 equipment checkout area, (6) high-definition digital video cameras to match units already purchased, (15) less expensive HD video cameras, as well as an 11 x 17 b/w laser printer, and an 11 x 17 color laser printer. Also, as a part of this proposal, (6) iMacs will be installed and secured in the AH463 Graphic Design Graduate Studio. These upgrades will allow the CMC/AH460 to continue its mission to serve as the School of Art and Designs central digital facility, providing access to current digital technologies to all Art and Design students. These upgrades are critical to the agenda of the school as the proliferation of new media (digital photo, video and sound media) continues to evolve as an integrated component within all Art and Design curricula. The overall goal of this proposal is to seek funding that enables the Creative Media Center to continue to support the schools evolving application of traditional fine art, graphic design, photographic, film, new media, and sound art methodologies.	$144,193
1.12.5	A & S	Welch School of Art & Design and University Library	ARTstor Image Database Subscription (Renewal)	This proposal seeks funding to renew the GSU annual subscription to the ARTstor Image Database, an on-line database of art and historical images with related scholarly data, designed to serve the needs of university students and teachers in a wide range of disciplines. Subscribers access the database through a web browser. Students and faculty can access the database from on campus, or from off-campus through the library proxy server. Faculty can use images from the database in courseware such as Vista.	$14,076
1.13.5	A & S	Dean's Office	Technology Upgrades and Software Licensing for Humanities and Social Behavioral Sciences Lab 505	This proposal is a request for funding for the Humanities/Social Behavioral Science Graduate Lab 505. The funding will allow us to renew the software maintenance agreements and provide students with new PC workstations.	$59,911
1.14.5	A & S	Physics & Astronomy	Physics Majors Upper Division Lab and Research Resources	The two desktop computers requested in this proposal will be used by students for in Phys3300, Advanced Physics Laboratory. They will be used for data collection, data analysis, and literature searches as part of the hands-on experiments performed during these courses and must be located in the same rooms as the experimental equipment. In addition, student will continue to use these computers as they complete their required research project, Phys4900 (Research Project). These courses are the two CTW courses in the B.S. in Physics program and are required for all physics majors. These courses are critical parts of the program and are where physics majors learn vital laboratory and research skills.	$2,192
1.15.5	A & S	Philosophy & Religious Studies	Philosophy & Religious Studies Student Computer Lab	20 computers for an open-access lab used primarily by students taking courses in the Department of Philosophy and the Department of Religious Studies.	$18,877

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1.16.5	A & S	Anthropology	Integrating Geophysical and Geochemical Training for Archaeology Through Multi-isotopic and Remote Sensing Technologies	The Anthropology department has experienced explosive growth in the number of undergraduate majors and graduate students, and particularly those interested in archaeology and bioarchaeology (the study of ancient human remains). Consequently, the department is no longer equipped to provide all of its interested students with the appropriate tools and technology that are critical if we want them to be competitive for PhD programs and employment in the field of Cultural Resource Management (CRM). This proposal requests funding to purchase updated geophysical equipment and organic sample extraction equipment, to better integrate non-destructive geophysical prospecting and multi-isotope analysis into the curriculum.	$25,018
1.17.5	A & S	Art and Design	Relocation, Expansion, and Upgrade of Interior Design CAD and Graduate Labs	Digital production is critical to contemporary interior design practice and education. The current IDEAS digital lab supporting the interior design program has met the instructional and open lab access requirements of the program since 2006, however current software requirements and student access demands have stretched its capacity to the point of failure. We seek to improve the functionality of the IDEAS lab by rearranging existing space assignments within our dedicated area and replacing our aging computer inventory. This will require the following: relocation of existing furniture; new iMacs to replace PCs in IDEAS and ID Graduate lab; new instructional equipment and funding for GLAs and initial setup of new systems.	$189,849
1.18.5	A & S	Computer Science	Image Acquisition and Archive to Support Visual Analytics	The Columbus image archive database is an advanced, web-enabled image management solution for the access, storage and analysis of images. This image database system provides a highly effective and secure, structured environment in which large volumes of multidimensional images can be annotated, analyzed, stored and shared simultaneously with a variety of academic groups. The system includes a series of highly sophisticated image analysis tools, such as Acapella and Harmony, which -in an open source image environment, will empower the Petit Science Center Visualization Wall as a tool for learning, exploration and sharing of images across a range of academic disciplines.	$162,307

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1.19.5	A & S	Welch School of Art and Design	Digital Resources Expansion for the Visual Resource Center	This project will upgrade hardware and software in the Ernest G.Welch School of Art and Designs Visual Resource Center (VRC) in 520A&M. This research facility is used by students enrolled in Art and Design classes and includes student workstations, as well as computer carts, and other resources checked out for use in studios and classrooms throughout the School. Currently, the VRCs computers and technology equipment are old and out dated. These upgrades will ensure Art and Design meets our increased student demands, both in the VRC and in the classroom, and maintain currency with other multimedia facilities on campus. The proposal will include requests for: -3 up to date computer workstations with network connections, software, and desks to provide students access to the VRC and ARTstor databases and other web based research and study materials from within the VRC -3 professional scanners and 2 large format scanners -Light table for viewing/editing film, photographic film, artwork -Mobile audio system and necessary components -3 portable projection systems: carts with lap top computers and digital projectors	$26,824
1.20.5	A & S	Ernest G. Welch School of Art and Design	Printing Lab for Photography	The Photography Program has never had a high-end digital printing lab for photographers. Consequently, we are unable to compete with comparable photo programs. For the last two years weve been awarded the necessary digital cameras to bring our camera equipment (input) up to date. Now we must address output. This proposal outlines the hardware and software necessary to create a small printing facility for photo students. We are asking for essential start up funds for: 3 photo quality printers, 3 computers with software, 2 calibration monitors, large format paper cutter, outside tech and student assistant support, upgrade to current facilities.	$70,155
1.21.5	A & S	Political Science	New Political Science Graduate Lab	This proposal is for funding of a new Political Science Graduate Lab. The funding will provide new equipment and software licensing to the Political Science graduate students.	$14,046
1.22.5	A & S	Biology	Advanced Biotechnology and Instructional Imaging Initiative	The principal goal of this proposal is to equip teaching laboratories and supporting facilities with camera-based microscopes to facilitate light and fluorescent image analysis, along with the software necessary for the more advanced biotechnology instructional settings. Specifically, the requested instrumentation and software will be deployed in instructional laboratories to enhance students' molecular/imaging techniques and laboratory capabilities, and to prepare students for careers after graduation. Meeting the goals of this proposal will add considerable depth to the educational value of the biology instructional laboratories, and will benefit a large number of Georgia State students that enroll in biology courses.	$426,410

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1.23.5	A & S	Computer Science	Acquiring software licenses for educational game development	We propose to purchase 20 to 30 Unity Android licenses for students to develop educational games on mobile devices such as smart phones. Such experience is highly beneficial to the students since the mobile gaming market is growing extremely fast. As a result, students are very interested in this subject. The software licenses will be distributed to students taking computer science courses such as Fundamentals of Game Design (CSC4821/6821), Computer Graphics Algorithms (CSC4820/6820), and Advanced Graphics Algorithms (CSC8820), which are available to all undergraduate and graduate students at GSU.	$8,100
1.24.5	A & S	School of Art and Design	Exhibit-Specific Technology for Welch Gallery	The Welch School Galleries present 8-10 art exhibitions per year. The gallery supports undergraduate, graduate and faculty research across disciplines. It is essential that the gallery continuously upgrade its ability to professionally document and present its programs and exhibitions.	$2,559
1.25.5	A & S	Ernest G. Welch School of Art and Design	Teaching technology upgrades for studio-classrooms AH 505, AH 515, and AH 667	The aim of this proposal is to upgrade the technology in two Art Education classrooms and one Drawing, Painting, and Printmaking studio so that students in those programs have access to a wider range of teaching technologies and a more flexible environment in which to learn and experiment with technologies used in their respective fields.	$27,233
1.26.5	A & S	Physics and Astronomy	Active electrode-EEG system for measurement of human brain waves	An active electrode-EEG system is a brain potential recording device which can safely record high quality signals even in an unshielded electrically noisy room and with moving subjects. It is usually based on Ag/AgCl sensors with integrated noise subtraction circuits. This system is ideal for demonstrating brain potential rhythms - fundamental to our thought, perception and behavior. Students can also learn (i) how to record brain potentials, (ii) how to understand and analyze potential oscillations, (iii) what certain rhythms tell us about our cognitive or perceptual states, and (iv) physics of the underlying brain processes and EEG measurements. This EEG system will be used for a physics and neuroscience course (Phys 4710/6710, Neuro 6330: Functional Neuroimaging). The system costs $40,000.00 and it is a one-time cost. This course is a part of the educational plan integrated in neuroimaging research of M. Dhamala, who received a five-year NSF Career Award last year.	$40,000
1.27.5	A & S	School of Art and Design	Robotic cutting/carving and prototyping equipment	This proposal provides robotic cutting/carving and prototyping equipment to School of Art and Design Students. This technology would allow students to marry traditional art and design techniques with precise, efficient and economical digital fabrication methods. Increasing precision and efficiency in initial and advanced design stages helps students explore ideas and apply a rigor to their work that can not be fully developed without this technology. Sculpture, Ceramics, Fibers, Graphic Design, Interior Design, Printmaking, and Art Foundations students can all benefit from this technology. These machines will help students develop skills that redefine their position as an artist and designer increasing marketability and employment.	$247,460

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Proposal #	Major Unit	Dept	Title	Project Description	FY2012 Requested
Arts & Sciences Total:					**$3,165,725**
1.01.6	University Library	University Library	Replacement of obsolete computer equipment (PCs)	This proposal intends to replace out-of-warranty student workstations in the Library in order to provide reliable hardware to minimize student work delays, and to provide hardware that can handle complex software applications and improved performance. Replacing this equipment will allow the Library to ensure that students have up-to-date, functional technology at their disposal.	$193,670
1.02.6	University Library	University Library	Discovery System to Increase Access to Licensed Library Materials	The proposal is to fund the purchase of a discovery system to provide fast, easy access to library content via a single search box. Materials that can be "discovered" with this system include resources licensed and owned by the library, including journal articles and books in the library collection. This is a significant improvement on the existing "Article Search" box on the library homepage - this discovery system searches one index that contains millions of articles available in hundreds of databases, rather than slowly searching multiple external databases. Search results are returned extremely quickly, and duplicates are removed.	$44,000
1.03.6	University Library	University Library	Equipment for Student Checkout: Netbooks, Headphones, and Projector	This project is to purchase headphones, additional netbooks and a projector for the library to check out to students, enabling more students to connect to the campus network and use productivity software.	$15,479
1.04.6	University Library	University Library	Microform and Microfilm Replacement Equipment	We are requesting funds to purchase two digital microform machines. Each machine will include a Microfilm ScanPro2000 with PowerScan software, 7x to 54x Zoom Lens and a UCC 300 combination microfiche and motorized 16/35mm roll film carrier.	$17,195
1.05.6	University Library	University Library	Replacement of obsolete computer equipment (Laptops)	This proposal intends to replace out of warranty student laptops in the Library Classroom in order to provide reliable hardware to minimize student work delays, and to provide hardware that can handle complex software applications and improved performance. Replacing this equipment will allow the Library to ensure that students have up-to-date, functional technology at their disposal.	$28,570
1.06.6	University Library	University Library	Renew Campus-wide Endnote Site License	Continue to make the EndNote bibliographic management software available for download or on campus-reproduced to CDs to all students, faculty and staff. This site license is for both on-campus and home use.	$16,200
1.07.6	University Library	University Library	Symon Digital Signage System for University Library	The University Library requests to implement a visual communication system that will include six (6) display units throughout Library North and Library South. This request is similar to systems currently installed in the University Center, College of Law, AYSPS, and other locations on campus.	$50,198
Pullen Library TOTAL:					**$365,312**

Proposal #	Major Unit	Dept	Title	Project Description	FY2012 Requested
2.01.1	Centers	English	Electronic Portfolios	An electronic portfolio system will enable students to store and share their work whether text, image, audio, or video over the course of their academic career at GSU and use the electronic collection of their efforts as a job seeking tool. Two additional benefits to the university community would be the opportunity to start gathering assessment data on student learning outcomes and the possibility of having a longitudinal study of our students writing and critical thinking abilities.	$5,000
2.02.1	Centers	Honors Program	Upgrade Honors Program Computer Lab	The funding will allow our program to purchase 12 iMac 27" computers to increase the capacity of the undergradate Honors lab in our suite at 428 University Center. We currently have 12 Dell PCs and offer no workstations to students who wish to compute on a Mac platform.	$20,388
GSU Centers TOTAL:					**$25,388**
2.01.2	Law Library	Law Library	The Making of Modern Law: Primary Sources Permanent Access	This proposal will provide permanent online access to the GSU community to Making of Modern Law: Primary Sources, Part I (1620 - 1926) & Part II (1763 - 1970).	$83,000
2.02.2	Law Library	Law Library	KIC Bookeye 4 Scanners	This proposal will provide the funds to purchase two (2) KIC Bookeye 4 Scanners for students and other library patrons researching in the Law Library and will provide a free and paperless alternative to pay-by-the-copy machines.	$46,478
2.03.2	Law Library	Law Library	Cambridge Books Online Permanent Access	This proposal will provide permanent online access for the entire GSU community to Cambridge Books Online: Law Collection, which currently holds over 700 titles.	$72,527
2.04.2	Law Library	Law Library	ProQuest House Unpublished Hearings 1973-1979	This proposal will provide permanent online access to the U.S. House of Representatives Unpublished Hearings 1973-1979.	$15,000
Law Library Total:					**$217,004**
2.01.3	Student Services	Recreational Services	Indian Creek Recreation Area Infrastructure / Technology Upgrade	This proposal would connect the Indian Creek Recreation Area (ICRA) to the GSU network and provide digital phone service, wireless access to all facilities, and security cameras to reduce thefts and mitigate risks. The area is currently not connected to campus. The 16 acres at ICRA offers the GSU community an outdoor swimming pool, tennis and sand volleyball courts, a ropes course for team building activities, and the Lodge which is used by numerous faculty and staff departments and a variety of student organizations. ICRA is just outside I-285 and half a mile from the Indian Creek MARTA Station.	$71,689

Proposal #	Major Unit	Dept	Title	Project Description	FY2012 Requested
2.02.3	Student Services	Counseling and Testing Center	Support for Critical Student Data Management	The Counseling Centers specialized clinical database (Titanium Schedule) is critical in the training of our graduate psychology students. This database allows graduate students to learn clinical database systems which are becoming the norm for psychology settings, including counseling centers, hospitals, mental health centers, and even some private practices. In addition, the system helps in training the psychology and counseling graduate students in writing appropriate case notes, initial assessments and terminations by providing a system that helps the supervisor track the notes and provide feedback that can improve the students writing and documentation skills.	$3,700
2.03.3	Student Services	Counseling and Testing Center	Technology Equipment to Support Student Trainees' Outreach Presentations - Projector	Student trainees at the GSU Counseling Center provide campus presentations to other students to educate them about mental health issues and about the resources available to them at the Counseling Center. Portable projectors (with accompanying laptops) allow the student trainees to conduct presentations utilizing PowerPoint and other audio/visual computer media in settings where such equipment might not be readily available. An up-to-date portable projector will significantly aid the student trainees in conducting their outreach presentations.	$1,158
2.04.3	Student Services	Counseling and Testing Center	Technology to Support Student Trainees' Outreach Presentations - Laptops (3)	Student trainees at the GSU Counseling and Testing Center provide campus presentations to other students to educate them about mental health issues and about the resources available to them at the Counseling Center. Portable laptops (with projectors) allow the student trainees to conduct presentations utilizing PowerPoint and other computer media in settings where such equipment might not be readily available. Up-to-date laptop computers will significantly aid the student trainees in conducting their outreach presentations.	$4,536
Student Services Total:					**$81,083**
2.01.4	IS&T	Production Services	eTraining Renewal	The renewal of the eTraining project provides Georgia State students with quality computer training in close to 600 titles and 900 videos utilzing both elementK and Lynda.com online training. This allows our students to access online training from anywhere that the internet is accessible. This means a student can utilize this training from anywhere and anytime to fit into their schedule. The training encompasses the basic "how to" for end users to the higher more complex certification training in over 10 fields of technology. The addition of the on demand streaming videos from Lynda.com enchances their training through a host of professionalt videos prepared and delivered by experts in each of the fields.	$155,565
2.02.4	IS&T	Production Services	Replace UPX Audio Visual Control Systems in Lecture Halls	This proposal replaces or removes obsolete and out-of-warranty audio visual equipment installed in the large lecture halls in 4 classroom buildings. These classrooms are heavily scheduled and the UPX technology has become obsolete and unreliable. We will reuse ceiling mounted document cameras and the screen installed in the large lecture classrooms.	$384,096

Proposal #	Major Unit	Dept	Title	Project Description	FY2012 Requested
2.03.4	IS&T	Production Services	Add Instructional Technology to Classrooms with TV/VCR unit	The proposal adds instructor technology in 8 open access classrooms.	$248,072
2.04.4	IS&T	Production Services	Student Academic Technology Improvements	This proposal replaces or removes obsolete and out-of-warranty equipment installed in the open access classroom and lab environments, managed by IS&T.	$1,244,151
2.05.4	IS&T	Production Services	Mac Software Renewals for Campus	This proposal is for the renewal of 2 major Apple software license agreements and the support contract for them.	$84,992
2.06.4	IS&T	Production Services	Digital Aquarium Computers and Rental Supplies 2012	This proposal would replace aging workstations in the Digital Aquarium with new iMac computers. This proposal would also expand the successful Student Rental Equipment program operated out of the Digital Aquarium, providing additional HD Video Cameras, Wireless Microphones, Projectors, Portable Screens, Photo Cameras, and other multimedia production tools for students to use at no charge.	$160,773
2.07.4	IS&T	Production Services	Virtual Computing Lab - VCL	IS&T is actively engineering and configuring ongoing support and enhancement for the Virtual Computing Lab IBM platform. VCL is available in-order to provide access to virtual machines that are flexible enough to run multiple operating systems to provide students with access to software that is prohibitive in price or requires very high-end computers to run. The purpose of this project is to provide funding for on-going support and to enable the platform to be faster, with greater flexibility.	$99,000
2.08.4	IS&T	Production Services	Classroom and Lab Mac Hardware and Software Upgrades	This proposal is for the upgrade of hardware in several IS&T open access labs. It is also for the upgrade of 3rd party software in these labs.	$143,944
2.09.4	IS&T	Production Services	PSC Visualization Wall Upgrades 2012	This proposal would improve the technology of the Petite Science Centers Visualization Wall. This proposal would add a wireless microphone, USB port access, an audio mixer, and a Crestron to provide On/Off controls for the Viz Wall's instructor station. This proposal requests funds to integrate new interface technologies into the Visualization Wall, such as touch screens, motion tracking, iPads using VNC, and voice recognition. This proposal would also provide software tools for campus researchers, such as Google Earth Pro licenses. Lastly, this proposal includes adding more internal hard drive space to the Viz Wall servers to provide a development environment for software testing, and increased file storage.	$26,178

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Proposal #	Major Unit	Dept	Title	Project Description	FY2012 Requested
2.10.4	IS&T	Production Services	Exchange Rental Equipment 2012	This proposal would expand the successful Rental Equipment program operated out of the Exchange. This proposal includes Video Projectors, Portable Screens, HD Video Cameras, Wireless Microphones, Portable Document Cameras, and other multimedia tools that will enhance learning in the classroom. The equipment will be available to faculty to use in the classroom, and will provide resources that are not currently available. The multimedia tools will allow faculty to add multimedia content to their courses. The Exchange will provide training and support for the resources.	$120,128
2.11.4	IS&T	Production Services	General Classroom Building Document Camera	This proposal includes installation of 50 document cameras in General Classroom Building. The requests for document cameras have increased over the last few years. We have received 20+ requests for Document cameras during the first week of class.	$207,900
2.12.4	IS&T	Production Services	Second Life Virtual World	Second Life is a virtual environment that can be utilized as both and teaching and learning tool. It is a 3D virtual world that allows the interaction of faculty and students in a controlled environment where students can exercise new skills and knowledge in a virtual real world. Because it is three dimensional and has the ability to utilize the multitude of web tools it allows the virtual world to be interactive both between students and between three dimensional objects. This virtual world has been used successfully by multiple units at GSU and more are ready to join.	$7,500
2.13.4	IS&T	Production Services	Classroom Lecture Capture Solution	Renewal and expansion of the Panopto hosted classroom lecture capture solution annual license and support. A limited solution was purchased with FY11 Tech Fee. This proposal continues the licensed support for another year, expands the availability of the solution up to 30 classrooms, and increases the hosted usage bundles allowed for recording and viewing captured content stored on the Panopto hosted server.	$68,045
2.14.4	IS&T	Production Services	Call Back Assist	This proposal is to provide the one stop shop with a technical solution to reduce student extended wait times and abandoned calls during peak call periods including registration.	$136,063
	IS&T	Production Services	Student Lab Server Ongoing support & Maintenance		
	IS&T	Production Services	Streaming Video Ongoing Maintenance		
	IS&T	Production Services	AntiVirus Endpoint Licenses & Firewall		
	IS&T	Production Services	Student eLocker Ongoing Support		
	IS&T	Production Services	Wireless Expansion Phase III		
	IS&T	Production Services	Fiber Upgrade (Urban Life)		
	IS&T	Production Services	Meru Maintenance		
	IS&T	Production Services	Cisco VPN Server		

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Proposal #	Major Unit	Dept	Title	Project Description	FY2012 Requested
	IS&T	Production Services	Blue Socket 1000 Maintenance		
	IS&T	Production Services	Blue Socket Maintenance		
	IS&T	Production Services	Digital Aquarium Operating Expenses 2012		
	IS&T	Production Services	vClass/Wimba renewal		
	IS&T	Production Services	Pharos Printing		
	IS&T	Production Services	EUC Software		
IS&T Production Services Total:					**$3,086,407**
GRAND TOTAL:					**$8,473,270.28**