

# Request for Equipment Trust Funds

Computer Science Department

9 August 2000

**TOTAL REQUEST: \$278,038**

## Category 1: Update Instructional Equipment

	QTY	UNIT PRICE	TOTAL
<i>Update grad lab</i>			
Replace 25 233MHz PCs with 30 new PCs (gateway GP7-800)	30	\$ 2,140	\$ 64,200
Replace old Mac and scanner with new PC and scanner	1	\$ 2,439	\$ 2,439
Replace aging network printer in grad lab with duplex unit (HP4050N)	1	\$ 2,374	\$ 2,374
Apple PoweMac G4/500 and Apple Studio Display 17	2	\$ 2,999	\$ 5,998
<i>New grad student desks in Brodie Hall:</i>			
PCs for 9 new graduate student desks	9	\$ 2,100	\$ 18,900
Printer	1	\$ 2,374	\$ 2,374
<i>Mixed undergrad and grad lab equipment</i>			
UNIX RAID storage system (unpurchased from last year's ETF request)	1	\$ 10,000	\$ 10,000
<i>Undergrad instructional use:</i>			
McQuain - Curator (grader) upgrade			
\$500 EIDE hard drive	2	\$ 500	\$ 1,000
Onstream ADR50 External SCSI - 25GB/50GB compressed	1	\$ 949	\$ 949
<i>Category 1 total:</i>			<u>\$ 108,234</u>

The Graduate Lab in Computer Science currently uses outdated PCs with a 233MHz processor speed. This is not attractive for recruiting incoming students, and insufficient to run Windows 2000. Also there have been students waiting in line for a computer when projects are due. The above request will replace the PCs, add 5 more PCs in the lab, replace an old scanner with a new scanner, replace a printer that was prone to breakdown with a new printer, replace an old Macintosh with two new Macintoshes, and add 9 new PCs and a printer in a new area for graduate student desks in Brodie Hall.

The remaining items above help both undergrad and graduate instruction. The UNIX RAID is requested for the second year in a row to provide more disk space for all CS students using UNIX. There are more students (estimated 1150 undergrad, over 113 graduate), and more emphasis on UNIX in our program, driving the demand for more disk space. (Note: To simplify lab management, we buy PCs with small disks, and use a central RAID server for file storage.) The final item are upgrades to an automated grading system that is used to save faculty and GTA time in handling larger class sizes.

## Category 2: Updating existing faculty machines

	QTY	UNIT PRICE	TOTAL
<i>Faculty/staff office machines:</i>			
PC for Edwards	2	\$ 3,500	\$ 7,000
Laptop for Shaffer	1	\$ 3,500	\$ 3,500
PowerMac G4 for Carrol	1	\$ 3,500	\$ 3,500
Alphastation for Ribbens	1	\$ 10,000	\$ 10,000
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<i>Category 2 total:</i>			\$ 24,000

The requested machines replace units 3+ to 5 years old and out of warranty. The Alphastation for Prof. Ribbens is higher than usual because he works on numerical analysis, which requires a high-end RISC architecture machine with large amounts of memory.

## Category 3: Equipment for 4 new faculty start-up packages

Total: \$127,000

The amount requested is the sum of the start-up package for research equipment for four new faculty members, minus equipment already ordered.

## Category 4: Miscellaneous updates

	QTY	UNIT PRICE	TOTAL
7 more PCs for GTA room (133)	7	\$ 2,140	\$ 14,980
PC for department web master	1	\$ 2,000	\$ 2,000
2nd printer for 6th floor grad lab	1	\$ 2,374	\$ 2,374
HP DesignJet Plotter 450C 36' Color	1	\$ 2,950	\$ 2,950
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<i>Category 4 total:</i>			\$ 22,304

The seven PCs are requested for a new area in McBryde Hall being renovated for GTAs to meet with students. Alternately, we could use the old 233MHz machines pulled out of the graduate lab in Category 1 to equip this area if funds are not available. The other items would provide a dedicated computer for a Webmaster being hired, a 2<sup>nd</sup> printer for grad students who have experienced many printing problems this spring, and a plotter for large size printing.