Engineering Student Technology Committee (ESTC):
(http://www.engr.colostate.edu/ESTC/)

Meeting minutes for April 16, 2003 - Eng. Conference Room - 7:45am

Present: Morgan Defoort (ME), Prof. Garcia (CE), Miranda Grote (intra)
Tim Hinerman (ME), Shawn Klawitter (ChemE), Kate McDonnell (ECE),
Arun Nair (CE), Mark Ritschard (ENS), Prof. Siller (Academic Affairs),
David Wiegandt (ECE) - chair, Prof. Wilmsen (ECE)

Absent: Derek Akerhielm (ChemE), Kat Christian (CE), Michael Flick (CE),
David Hodge (ChemE), Jennifer Meints (intra), J. P. Murray (ECE),
Derek Reding (ME), Prof. Sakurai (ME), Prof. Wickramasinghe (ChemE)

Guest: Prof. Fontane (CE)

- GIS lab

- Corrections to previous meetings minutes (4-9-03)
 none
- Committee Membership
 Ritschard reminded the committee that half of the committee turns
 over every year. A review of the committee web site (see link above)
 shows what positions are open next year. In addition, David Wiegandt
 is graduating; his position will also need a replacement. Ritschard
 will send a note to departments heads requesting new members.
- Prof. Fontane visited the committee on behalf of CE to discuss the GIS lab. He said that the department does not object to opening up

the lab from 5pm to 8am, pending the availability of file space. He indicated that although saving large files to the hard disk had been a concern, the space available via T:\classes, T:\projects, or even increases in U: drive space will accommodate the need to store larger files. He also indicated that CE may be interested in reserving an extra hour in the evening, just in case the alternative ways of storing files doesn't work. The idea is that a specific request from CE would be made to reserve the lab from 5pm to 6pm.

Hinerman asked about the utilization of the lab during the day and Wiegandt, Garcia, and Fontane all indicated that it is heavily used for classes. The lab is especially busy on Tuesdays and Thursdays because of labs.

After more discussion, Hinerman moved and Defoort seconded that the committee continue to fund equipment in the lab and that the committee only request the lab be opened from 6pm to 8am. The motion passed unanimously. The committee then requested that ENS start opening the lab from 6pm to 8am at the end of this semester.

- Budget

Ritschard distributed spreadsheets (attached) showing both the expenditures to date for this fiscal year and a proposed budget for next year. The spreadsheet also shows the algorithm used to calculate how much funding goes to each department. The changes proposed were:

1) No funds for Advance Purchases

Sufficient funds have been set aside over time to allow for flexibility in making purchases against the next year's budget.

2) Reduction of Assistive Technology by \$500

Annual savings in miscellaneous categories can be used to cover amounts beyond the proposed \$2000.

- 3) Increase in Computer Lab Equip. Replacement by \$40,000

 Per the spreadsheet distributed last week, this amount was proposed to show the affect on the budget of continuing to fund all existing lab equipment. Included in the handout was a table with a proposed change in funded equipment to increase the number of graphics workstations in the labs.
- 4) Increase in Laboratory Maintenance by \$5,000
 Ritschard requested the extra \$5,000 as it more accurately reflects annual expenditures in this category. His estimate last year was too low, resulting in this year's deficit in this category.
- 5) Increase in Student Wages by \$5,000 ENS would like to hire an additional student technician to help support the labs.
- 6) Decrease in Atmospheric Science by \$1,000

 The decrease more accurately reflects the actual revenue generated by Atmos.
- 7) Increase of \$10,000 to remaining departments
 Ritschard pointed out that software costs are high and
 departments could use the extra help in paying for software.
- 8) Increase in Scholarships of \$5,000

This is part of the increase in the semester charge.

The discussion included a desire to perhaps recalculate departmental funding in a way that would more accurately reflect the number of intra-departmental majors. Suggestions included counting such majors as half in their home department and half in their program. There was also discussion about the need to maintain an appropriate level of strategic initiative funding, since \$25,000 of next year's budget is already allocated.

After more discussion, Defoort moved and Hinerman seconded that the budget be passed as proposed (including the proposed change in equipment) with four exceptions: 1) the increase for Computer Lab Equip. Replacement would be \$35,000, 2) the cost for the plasma display be reduced to \$3,800, 3) all monitors outside of the GIS lab be reduced to 19" monitors, and 4) the increase in departmental funding would be \$5,000. The resulting \$10,000 would be allocated to Strategic Funding. The motion passed unanimously.

- Next year's committee chair

Wiegandt noted that both Hinerman and Klawitter were nominated to chair the committee. After both stated their position, they left the room and the remaining members discussed the candidates. Wiegandt called for a show of hands and Klawitter received the majority. Both Wiegandt and Ritschard will work with Klawitter to prepare him for next year. The committee thanked Wiegandt for two excellent years of chairing and thanked him for his hard work.

The next meeting will be called by Klawitter during the Fall 2003 semester.

Respectfully submitted by Mark Ritschard



College of Engineering

Budget Planning for Fiscal Year 2004

| | FY | /03 | Propos | ed FY04 |
|-----------------------------------|-----------|-----------|-----------|-----------|
| Advance Purchases | | \$22,000 | | |
| Assistive Technology | | \$2,500 | | \$2,000 |
| Business Expenses | | \$3,000 | | \$3,000 |
| Central Services & Systems | | \$249,000 | | \$299,000 |
| Computer Lab Equip. Replacement | \$100,000 | | \$140,000 | |
| Laboratory Maintenance | \$15,000 | | \$20,000 | |
| Network Maintenance | \$4,000 | | \$4,000 | |
| Server Maintenance & Support | \$70,000 | | \$70,000 | |
| Student Wages | \$60,000 | | \$65,000 | |
| Department Allocations | STEER | \$116,000 | | \$125,000 |
| Atmospheric Science | \$20,000 | | \$19,000 | NO TEN |
| Chemical Engineering | \$12,650 | | \$13,200 | |
| Civil Engineering | \$30,750 | | \$34,200 | |
| Electrical & Computer Engineering | \$15,500 | | \$18,000 | |
| Intra-departmental majors | \$3,000 | | \$3,000 | |
| Mechanical Engineering | \$34,100 | | \$37,600 | |
| Scholarships | 2/2010 | \$50,000 | | \$55,000 |
| Strategic Initiatives | | \$47,500 | 1 | \$36,000 |
| Backup of Student File System | | | | 17.00 |
| Internet Café | \$21,200 | | | |
| Remote Lab Access | 1-11/ | | | |
| Other | \$26,300 | | | |
| | Budget: | \$490,000 | | \$520,00 |

\$508,886

\$517,511

Actual/Projected Tech Charge Revenue

Charges for Technology College of Engineering Budget Planning for Fiscal Year 2004 all expenses as of April 15, 2003 Budget: Fiscal Year 2002-2003 Budget: Fiscal Year 2002-2003 Expenses:

Assistive Technology 2.048.00 2,048.00 452.00 2.000.00 Proposed Budget for FY04

Assistive Technology

1,376,64

1,801.91

3,178.55

45,950.50

45,950.50

2.500

178.55

50,000

4,049.50

Budget: **Business Expenses** Fiscal Year 2002-2003 Budget: 3,000

Fiscal Year 2002-2003 Expenses: Bad Debt Credit Card Expenses

3.000.00 Proposed Budget for FY04 Budget: Scholarships

Fiscal Year 2002-2003 Budget: Fiscal Year 2002-2003 Expenses:

Scholarships

Proposed Budget for FY04 55,000.00 Budget: Category:

Server upgrades

Sun Fire Server

Total Budget This Page

Balance, This Page

Total Expenses This Page

Fiscal Year 2002-2003 Budget: Fiscal Year 2002-2003 Expenses:

Backup tapes Citrix farm build server Citrix servers for Virtual Lab

Dedicated domain controller DHCP server Graduate Citrix Farm Server Maintenance Server Software

Spectralogic tape backup library UPS replacement - student file server

Proposed Budget for FY04 70,000

130,000

+4,500

Proposed Budget This Page

Central Services & Systems

Server Maintenance & Support

70,000

295.00

772.31 18.168.17

1,726.45

1.246.50

2,766.00

5,640.33

6,435.00

5.095.55

16.114.86

4,633.55 62,996,09

102.37

7.003.9

125,500

114,173.14 11,326.86

Change over FY03

Charges for Technology College of Engineering

Budget Planning for Fiscal Year 2004 all expenses as of April 15, 2003

| Budget: | Department Al | |
|--|--|--|
| Category: | Atmospheric S | Science |
| Fiscal Year 2002-2003 Budget: | | 18,719 |
| Fiscal Year 2002-2003 Expenses: | | |
| Fluent License Renewal | 742.50 | |
| lard Disk | 172.89 | |
| aptop Computer | 2,359.34 | |
| Modern Access for graduate students | 804.00 | |
| Network Cable | 32.15 | |
| Portable Projector | 3,548.80 | 5 |
| Replacement: Projector Remote | 112.00 | |
| Smart Board | 2,318.00 | |
| Weather Tap Subscription | 348.00 | |
| Vireless hubs for classrooms | 1,517.06 | 1 2 |
| | 11,954.74 | il e |
| | | 6.764.00 |
| Proposed Budget for FY04 | 19,000.00 | 6,764.26 |
| Troposed budget for F104 | 15,000.00 | 18. |
| Budget: | Department All | Incations |
| Category: | Chemical Engi | |
| Fiscal Year 2002-2003 Budget: | | 12,650 |
| Balance Forward from FY01 | | 384.51 |
| Additional Lab Funding | | 2,500.00 |
| Student Employee help from ENS | | 7,000.00 |
| Fiscal Year 2002-2003 Expenses: | | 7,000.00 |
| | | . 50 |
| | | |
| Aspen license renewal | 1,000.00 | 2.5 |
| Aspen license renewal Computer supplies | 1,000.00 522.57 | 28 |
| | | 3 |
| Computer supplies | 522.57 | N. Contra |
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| Budget: | Department A | |
|--|---|--|
| Category: | Civil Engineer | ring |
| | | 20 75 |
| iscal Year 2002-2003 Budget: | | 30,750 |
| Additional Lab Funding | | 7,000.00 |
| Fiscal Year 2002-2003 Expenses: | | |
| ARCview license renewal | 1900 | |
| | 3754.4 | |
| autocad license renewal | | |
| Data Acquisition Cards | 4387.13 | |
| Preamweaver license renewal | 863.38 | |
| luent License Renewal | 1732.5 | |
| alS paper | 101 | |
| IS printer maintenance and repair | 139.5 | |
| alS software | 76 | |
| GIS toner, fusers, and drum/transfer kit | 730.51 | |
| Maple license renewal | 1875 | |
| Aicrosoft Office & Windows license ren | | |
| letwork wireless cards | 723.39 | |
| hotoShop license renewal | 843.13 | |
| ignal Conditioning for DAC | 2564.25 | |
| riaxial cells for Geotech lab | 3556.23 | |
| Haziai cella foi Geotechi lab | 26.758.11 | |
| | 20,750.11 | |
| | | 10,991.89 |
| Granded Budget for EVOA | 34,200.00 | 10,551.08 |
| Proposed Budget for FY04 | 34,200.00 | |
| | | |
| | | 15,500 |
| iscal Year 2002-2003 Budget: Salance Forward from FY01 | | 15,500 1,094.24 |
| alance Forward from FY01 additional Lab Funding | | 1,094.24 |
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| alance Forward from FY01 dditional Lab Funding iscal Year 2002-2003 Expenses: rrystal Radio Kits chost license upgrade aboratory supplies lathcad license renewal lentor Graphics license renewal licrosoft Office & Windows license ren lonitors for C207 (three used 19" Sun aper hotoShop license renewal rinter repairs ynopsis license renewal oner, fusers, and drum/transfer kits Proposed Budget for FY04 otal Budget This Page | 54.21 891.21 1600 6000 3365.51 750 331 421.56 469.54 2500 250.35 | 1,094.24 7,000.00 |
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Charges for Technology College of Engineering

Budget Planning for Fiscal Year 2004 all expenses as of April 15, 2003

| 9,000.00 | 3,000 6,000.00 |
|-----------------|---|
| 9,000.00 | 6,000.00 |
| 9,000.00 | 11 |
| 9,000.00 | 63 |
| | |
| | 70700 |
| 0.000.00 | 0.00 |
| 3,000.00 | - P. D. |
| | 1 2 |
| Opportment Alle | estions |
| | 4 |
| necriamear Eng | meering |
| | 34,100 |
| | 19,053.53 |
| | 7,000.00 |
| | |
| 780.05 | |
| 1,732.50 | |
| 19,210.07 | |
| 589.00 | |
| 1,600.00 | |
| 3,965.65 | |
| 341.25 | |
| 2,500.00 | |
| 350.85 | |
| 2,500.00 | |
| 2,166.00 | |
| 200.00 | |
| 1,513.79 | |
| 37,449.16 | |
| | 22,704.37 |
| | |
| | 1,732.50 19,210.07 589.00 1,600.00 3,965.65 341.25 2,500.00 350.85 2,500.00 2,166.00 200.00 1,513.79 |

+3,500

Change over FY03

Department Allocations **Budget Calculation for FY04**

1959 Students enrolled in the College of Engineering in AY03

| | 1959 | 100.00% | | | | |
|-------|----------|---------|--|--|--|--|
| Open | 79 | 4.01% | | | | |
| ME | 609 | 31.09% | | | | |
| ECE | 496 | 25.29% | | | | |
| CE | 546 | 27.85% | | | | |
| ChemE | 153 | 7.78% | | | | |
| Atmos | 78 | 3.98% | | | | |
| 11 | students | 70 | | | | |

*average enrollment of fall and spring semesters

| 12.33 | 1803 students | in ChemE, CE, ECE, and ME | 1307 stude | ents in ChemE, CE, and ME |
|-----------|---------------|---------------------------|------------|---------------------------|
| 15.0 | students | % | students | % |
| ChemE | 153 | 8.46% | 153 | 11.67% |
| CE | 546 | 30.26% | 546 | 41.74% |
| CE ECE | 496 | 27.49% | | |
| ME | 609 | 33.79% | 609 | 46.60% |
| | | 1803 100.00% | 13 | 07 100.00% |

| | Lab Management | Software | Maintenance | TOTAL | Allocation |
|-------|----------------|-------------|-------------|--------------|--------------|
| ChemE | \$4,783.86 | \$3,384.19 | 5000 | \$13,168.04 | \$13,200.00 |
| CE | \$17,112.09 | \$12,105.41 | 5000 | \$34,217.50 | \$34,200.00 |
| ECE | \$2,000.00 | \$10,995.84 | 5000 | \$17,995.84 | \$18,000.00 |
| Intra | | | 3000 | \$3,000.00 | \$3,000.00 |
| ME | \$19,104.06 | \$13,514.56 | 5000 | \$37,618.62 | \$37,600.00 |
| | 43,000.00 | 40,000.00 | 23,000.00 | \$106,000.00 | \$106,000.00 |

+10,000

Charges for Technology College of Engineering

Budget Planning for Fiscal Year 2004 all expenses as of April 15, 2003

| Budget: | Central Services & S | Systems | Budget: | Central Services & Sys | tems |
|--|----------------------|---------------|-------------------------|--|--------------------|
| Category: | Laboratory Maintena | ance | Category: | Student Wages | |
| Fiscal Year 2002-2003 Budget: | | 15.000 | Fiscal Year 2002-20 | 003 Budget: | 60,000 |
| Balance Forward | | 2,258.46 | 1.38381.1.330.1.330.1.3 | dentine de la la companya de la comp | |
| Fiscal Year 2002-2003 Expenses: | | | Fiscal Year 2002-20 | 003 Expenses: | |
| Card Readers | 1,595.19 | | Technician | Crane, Andrew | 4,486.70 |
| Computer Maintenance and Repair | 857.81 | | Consultant | Fleming, Ryan | 1,981.98 |
| Extension Cords for Café | 66.36 | | Consultant | Forsling, Henrik | 3,236.09 |
| Help Desk Supplies | 63.81 | | Technician | Dan Herrick | 29.32 |
| Laptop docking stations | 781.70 | | Consultant | Hoops, Matthew | 1,913.96 |
| Lock Changes (permanently locking doors) | 2,733.69 | | Consultant | Liberatore, Joe | 674.24 |
| MS Windows Upgrade Advantage | 3,500.00 | | Senior Technician | Loyd, Sean | 5,137.82 |
| Paper | 2,676.85 | | Former Technician | | 1,661.82 |
| Printer Maintenance & Repair | 1,969.05 | - 1 | Consultant | Raza, Abdul | 1,854.89 |
| Shop Supplies | 145.24 | | Senior Consultant | | 4,398.57 |
| Symantic Antivirus (Qty 155) | 1,170.60 | | Consultant | Satyasekaran, Praveen | 2,736.73 |
| Telephone Service | 481.42 | | Consultant | Skinner, Sara | 1,067.98 |
| Toner, fusers, and drum/transfer kits | 7.328.25 | | Technician | Thangaraj, Charles | 4,191.57 |
| Wireless mouse for LMDS | 42.00 | | Consultant | Vallely, Justin | 2,375.97 |
| Wildiess Mode for LWDG | 23,411.97 | | Consultant | wages yet to be paid | 24,715.09 |
| | 20,411.07 | Turb I | | wages yet to be paid | 60,462.70 |
| | | 6.153.51 | | | 462.70 |
| Proposed Budget for FY04 | 20,000.00 | 0,100.01 | | | |
| rioposed Edugot for 1 104 | 20,000.00 | 10.03 | P | Proposed Budget for FY04 | 65,000.00 |
| Budget: | Central Services & S | vstems | | extra \$5,000 would perm | nit ENS |
| Category: | Network | - ID. | | to hire an additional tech | |
| Carlotte and the company | | Application . | | | |
| Fiscal Year 2002-2003 Budget: | | 4,000 | | | |
| Balance Forward | | 1,337.83 | A. OLL | | |
| Fiscal Year 2002-2003 Expenses: | | 23,711 | - | | THE REAL PROPERTY. |
| Network Cabling & Connectors | 3,179.80 | | Total Budget This F | Page | 79,000 |
| Network Switches | 813.14 | | Total Expenses Thi | is Page | 89,247.61 |
| Underground Fibre Charge (ACNS) | 1,380.00 5,372.94 | | Balance, This Page | | 10,247.61 |
| | | 35.11 | Dr. | oposed Budget This Page | 89 000 00 |
| Proposed Budget for FY04 | 4,000.00 | 00.11 | | Change over FY03 | + 10,000 |

College of Engineering

Budget Planning for Fiscal Year 2004 all expenses as of April 15, 2003

Budget: Central Services & Systems
Category: Computer Lab Equipment Replacement

Fiscal Year 2002-2003 Budget: 100,000

Fiscal Year 2002-2003 Expenses:

 Digital Sender
 2,475.92

 Monitors
 39,984.45

 Broken Equipment Replacement
 2,560.60

 Projection Equipment
 7,914.41

 Standard Lab Computers
 37,207.63

 Standard Printers
 10,035.42

 100,178.43

Proposed Budget for FY04

40 000

| 2002-2003 Budget Algorithm | verse later | m2 | |
|----------------------------|-----------------|----------|------------|
| | computers print | ers cost | |
| AERC | 5 | 1 | 12,000 |
| Allison Hall | 4 | 0 | 7,200 |
| Anderson Lab | 80 | 3 | 153,000 |
| Design Studio | 42 | 7 | 96,600 |
| Electronic Classroom | 35 | 1 | 66,000 |
| ERC lab | 10 | 1 | 21,000 |
| GIS lab | 21 | 1 | 40,800 |
| Internet Café | 26 | 1 | 49,800 |
| | 223 | 15 | 446,400 |
| average computer | 1,800 | A | nnual Cost |
| average printer | 3,000 | | 111,600 |

| Budget: | Strategic Propo | sals |
|--|-----------------|--------|
| Made - Services | | |
| Fiscal Year 2002-2003 Budget: | | 47,500 |
| Balance Forward | | 25,214 |
| Budget Additions | | 24,490 |
| Fiscal Year 2002-2003 Expenses: | | |
| Citrix farm network | 2,487.10 | |
| Citrix farm terminal services licenses | 6,249.05 | |
| Compute Power | 5,000.00 | |
| Departments: additional lab funding | 23,500.00 | |
| EECL computer lab | 10,000.00 | |
| Environmental Engineering Lab | 11,000.00 | |
| ERC printer | 2,883.49 | |
| Graduate Citrix Farm | 9,000.00 | |
| Internet Café | 24,740.09 | |
| Loaner Laptop | 1,567.93 | |
| Signs for Labs indicating funding | 121.15 | |
| | 96,548.81 | |
| 1 | | 655.10 |

Proposed Budget for FY04 36,000.00

 Total Budget This Page
 197,204

 Total Expenses This Page
 196,727.24

 Balance, This Page
 476.67

Proposed Budget This Page 176,000 Change over FY03 + 28,500

College of Engineering

Budget Planning for Fiscal Year 2004

| Existing Computer Lab Equipment | | graphics | thin | 19" flat | 21" | 19" | | | digital | | | Equip. | Avg. | Annual 4yı |
|---|---|---------------------------------|---------------|--------------|------------------|--------------|----------------|----------|---------|------------|--------|---------|------------|------------|
| | computers | workstations | clients | panel | Trinitron | Trinitron | printers | scanners | senders | projectors | plasma | Value | life cycle | Repl. Cos |
| AERC | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 8,750 | 4.0 | 2,188 |
| Allison Hall | 1 | 0 | 4 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 7,150 | 4.0 | 1,788 |
| Anderson Lab | 81 | 0 | 0 | 0 | 0 | 81 | 3 | 4 | 1 | 0 | 0 | 156,370 | 4.0 | 38,978 |
| Design Studio | 42 | 0 | 1 | 0 | 42 | 1 | 13 | 6 | 0 | 0 | 1 | 143,230 | 4.1 | 34,663 |
| Technical Shop | 4 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 7,900 | 4.0 | 1,975 |
| Electronic Classroom | 0 | 13 | 22 | 0 | 35 | 0 | 1 | 0 | 0 | 9 | 0 | 119,600 | 4.4 | 27,337 |
| ERC lab | 3 | 0 | 7 | 0 | 0 | 10 | 1 | 0 | 0 | 0 | 0 | 18,200 | 4.0 | 4,496 |
| GIS lab | 21 | 0 | 0 | 0 | 21 | 0 | 5 | 0 | 0 | 3 - 1 | 0 | 61,200 | 4.1 | 14,912 |
| Internet Café | 1 | 0 | 25 | 25 | 0 | 1 | 1 | 0 | - 1 | 1 | 0 | 56,450 | 4.0 | 14,113 |
| | 158 | 13 | 59 | 26 | 98 | 107 | 24 | 10 | 2 | 3 | 1 | 578,850 | 4.1 | 140,449 |
| | | tte male | | | | | | | | | | | | |
| | Cost | life cycle | | | | | | | | | | | | |
| computer | | Ine cycle | | | | | | | | | | | | |
| computer graphics workstation | | | | | | | | | | | | | | |
| | 1,300 | 6 | | | l server (UNIX & | Win) support | t and all lice | enses) | | | | | | |
| graphics workstation | 1,300 5,500 | 6 | | | | Win) suppor | t and all lice | enses) | | | | | | |
| graphics workstation thin-client | 1,300 5,500 900 | 6 | | | | Win) support | t and all lice | enses) | | | | | | |
| graphics workstation thin-client 19" flat panel display | 1,300 5,500 900 900 | 6 | | | | Vin) suppor | t and all lice | enses) | | | | | | |
| graphics workstation thin-client 19" flat panel display 21" Trinitron monitor | 1,300 5,500 900 900 600 | 4 6 4 4 | (all costs in | | l server (UNIX & | Vin) support | | enses) | | | | | | |
| graphics workstation thin-client 19" flat panel display 21" Trinitron monitor 19" Trinitron monitor | 1,300 5,500 900 900 600 450 | 4 6 4 4 4 | (all costs in | ncluded: dua | l server (UNIX & | | | enses) | | | | | | |
| graphics workstation thin-client 19" flat panel display 21" Trinitron monitor 19" Trinitron monitor printer | 1,300 5,500 900 900 600 450 3,500 | 4 6 4 4 4 4 5 | (all costs in | ncluded: dua | l server (UNIX & | | | enses) | | | | | | |
| graphics workstation thin-client 19" flat panel display 21" Trinitron monitor 19" Trinitron monitor printer scanner | 1,300 5,500 900 900 600 450 3,500 | 4 6 4 4 4 5 4 | (all costs in | ncluded: dua | l server (UNIX & | | | enses) | | | | | | |

College of Engineering

Budget Planning for Fiscal Year 2004

| Proposed Funded Equipment | | graphics | thin | 19" flat | 21" | 19" | | | digital | 1 1 1 2 | | Equip. | Avg. | Annual 4yı |
|---------------------------|-----------|--------------|----------------|-----------|--------------|-------------|-----------|--------------|---------|------------|--------|---------|------------|------------|
| | computers | workstations | clients | panel | Trinitron | Trinitron | printers | scanners | senders | projectors | plasma | Value | life cycle | Repl. Cos |
| AERC | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 8,750 | 4.0 | 2,188 |
| Allison Hall | 1 | 0 | 4 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 7,150 | 4.0 | 1,788 |
| Anderson Lab | 61 | 0 | 20 | 0 | 0 | 81 | 3 | 4 | - 1 | 0 | 0 | 148,370 | 4.0 | 36,984 |
| Design Studio | 30 | 12 | 1 | 0 | 42 | 1 | 13 | 6 | 0 | 0 | 1 | 193,630 | 4.4 | 44,426 |
| Technical Shop | 4 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 7,900 | 4.0 | 1,975 |
| Electronic Classroom | 0 | 24 | 0 | 0 | 20 | 0 | 1 | 0 | 0 | 1 | 0 | 151,300 | 5.1 | 29,870 |
| ERC lab | 3 | 0 | 7 | 0 | 0 | 10 | 1 | 0 | 0 | 0 | 0 | 18,200 | 4.0 | 4,496 |
| GIS lab | 21 | 0 | 0 | 0 | 21 | 0 | 3 | 0 | 0 | 1 | 0 | 54,200 | 4.1 | 13,333 |
| Internet Café | 1 | 0 | 25 | 25 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 56,450 | 4.0 | 14,113 |
| | 126 | 36 | 57 | 26 | 83 | 107 | 22 | 10 | 2 | 3 | 1 | 645,950 | 4.2 | 149,172 |
| | Cost | life cycle | | | | | | | | | | | | |
| computer | 1,300 | 4 | | | | | | | | | | | | |
| graphics workstation | 5,500 | 6 | | | | | | | | | | | | |
| thin-client | 900 | 4 | (all costs inc | luded: du | al server (L | JNIX & Win) | support a | and all lice | nses) | | | | | |
| 19" flat panel display | 900 | 4 | | | | | | | =7. | | | | | |
| 21" Trinitron monitor | 600 | 4 | | | | | | | | | | | | |
| 19" Trinitron monitor | 450 | 4 | | | | | | | | | | | | |
| printer | 3,500 | 5 | | | | | | | | | | | | |
| scanner | 430 | 4 | | | | | | | | | | | | |
| digital sender | 2,400 | 3 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| projector | 3,800 | 4 | | | | | | | | | | | | |