

Engineering Student Technology Committee
Technology Fee Project Proposal
Must be submitted on or before April 16, 2000

Please use this form to request technology fee expenditures for equipment in classrooms, computer laboratories, or other instructional or research laboratories, in keeping with the State Board of Agriculture Charges for Technology Manual guidelines found at <http://www.colostate.edu/services/acns/itec/fee.html>. Technology committee members are available for assistance, the names of whom appear in Section IV. Also see Section IV for submission information.

Section I. Overview

1. Project Type

departmental project (requested against departmental fund allocation)

other project (may be for a single department or college-wide, but request is against central funds)

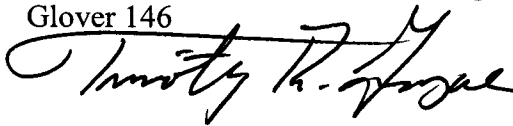
(\$83,000 is available for other projects; see department heads for department allocation amounts.)

2. Title of proposal

Hardware Upgrades For Glover146c Undergraduate Computing Laboratory.

3. Submitted by (Name & contact information of primary submitter(s) – up to three)

Timothy R. Gonzales, Research Associate
Dept. Chemical & Bioresource Engineering.
Glover 146

 4/16/00

4. Proposal supported by*

V.G. Murphy, CBE Dept. Head

* Proposals with wide-spread support from a cross-section of the college will be given preference. Although this form may be submitted electronically with a list of supporters, actual signatures are required for all supporters beyond the original submitter(s).

5. This project request

does not pertain to facilities or equipment

is to maintain and/or upgrade existing facilities (replacement equipment only requested)

is to augment and maintain existing facilities (some new equipment requested)

is to provide a new facility (all new equipment requested)

6. Brief summary of proposal (Please limit answer to no more than three paragraphs)

Purchase eight(8) new PC workstations for Glover 146c undergraduate computing lab. Upgrades in equipment are needed in order to keep up with advances in technology and maintain high standard of quality in undergraduate CBE Engineering program.

7. Location for proposed equipment:

Glover 146c computing lab.

8. Equipment requested (complete only if proposal is for equipment and/or software):

Specific equipment needed

<u>number</u> <u>requested</u>	<u>unit</u> <u>cost</u>	<u>total</u> <u>cost</u>
8	\$1500.00	\$ 12,000.00

Specific software needed

<u>number</u> <u>requested</u>	<u>unit</u> <u>cost</u>	<u>total</u> <u>cost</u>
8	\$500.00	\$ 4,000

Total cost: \$ 16,000.00

Section II. Pedagogical considerations

1. What are the pedagogical goals of this proposal? (Please limit answer to no more than three paragraphs)

The pedagogical goal of this proposal is to maintain the current standards of quality in the undergraduate engineering program.

2. Why is the equipment requested appropriate for the goals stated in #1, above?
(complete only if proposal is for equipment and/or software):

This request is appropriate due to the short technological service life of computing equipment.

3. How will the attainment of the goals in #1, above, be measured and who will do the measuring?

Quality standards measured by ABET .

4. Planned course/research benefit:

Course No/Research projects

Number of students affected/semester

All CBE Undergraduate

100

5. What other courses/departments in the college will be able to use this facility for instructional use?
(complete only if proposal is for equipment and/or software)

All General Engineering Students.

6. What functionality will this equipment provide that is not already available elsewhere in the college?

Equipment will MAINTAIN current level of student access.

7. How many hours per week (M-F, between 7am and midnight) will this equipment be accessible for general student use? (complete only if proposal is for equipment and/or software)

Equipment will be available 18hrs per day seven days per week

8. How will students be made aware of this project? (complete only if proposal is for equipment and/or software)

ENS and CBE ENGRDOM home web page.

Section III. Operation, Maintenance, and Funding

1. Complete either A or B:

A. If this request is for student employee wages, who will be the supervisor of those students?
(the supervisor must sign here if name does not appear in Section I, #2 or #3)

B. If this request is not for student employee wages, who will be responsible for oversight and any installation, ongoing maintenance, or repair for this project?
(the responsible party must sign here if name does not appear in Section I, #2 or #3)

Timothy R. Gonzales, Research Assoc.
Dept. Chem & Bio. Eng.

2. What operation & maintenance services would be needed from ENS staff? from department staff?

The same level as currently provided.

3. What modifications of current space will be necessary to install the new equipment? (remodeling, wiring, security, furniture, etc.)

None.

4. Source of funding for the modifications in #3, above:

N/A

5. Estimated cost of operational expenses (supplies, maintenance, supervision, student assistance, etc.):

Same as current and as provided by current.

6. Source of funding for the expenses in #5, above:

7. What other sources of funding (and how much) exist for this project (outside grants, equipment donations, reallocation of existing equipment, etc.)?

None.

8. What attempts have been made to obtain the funds in #7, above?

Unknown.