

Unit Plan: Equipment Requests [Acct. Category 6000]

Unit: Electronic Systems Technology

Division or Area to Which You Report: Applied Technology and Business

Author(s) of this Unit Plan: Wayne Phillips

Date: March, 2008

Audience: Budget, Deans

Purpose: To be read and responded to by Budget Committee.

Instructions: Please fill in the following as needed. Text boxes below will expand as you type.

Please note: this form is for equipment whose unit cost is over \$200

Brief Title of Request (Project Name): Electronic Systems Technology lab equipment

Building/Location: 1600 / 1616 (Electronics Lab)

Request Amount (include unit cost, total cost, tax, and shipping): \$6,000 for 2008-2009

\$24,000 for 2009-2010

\$12,000 for 2010-2011

Description of the specific equipment or materials requested:

\$6,000 (2008-2009) for evaluation units and demonstration lab station for Electronics Systems Technology program. Where practical, specific units will follow specifications from the "A New Electronics Curriculum for the 21st Century" NSF-funded program (also referred to as "Electronics 2010").

\$24,000 (2009-2010) for 8 lab stations for student use

\$12,000 (2010-2011) for supplemental 2nd-year lab equipment

What educational programs or institutional purposes does this equipment support?

Direct support for Electronics Systems Technology lab courses

Briefly describe how your request relates specifically to the [Educational Master Plan](#) and the Goals and objectives Section of your Unit Plan (Part II, Section 2)?

The new program mandated by the Program Revitalization plan involves new lab activities, and new lab equipment is needed to support these activities

Why is this equipment necessary?

Immediate health, safety, or security issues

Replaces deteriorated equipment or facilities

Increases enrollment

Shows cost advantage due to rising prices

Prevents further deterioration of facilities

Provides visibility for the Bond Program

Briefly describe how the above criteria are satisfied:

New lab equipment keeps the student lab experience relevant to the workforce applications

What is the consequence of not funding the equipment?

Limited and less relevant lab experiences for the students, leading ultimately to less preparation for entering the workforce and declining enrollment

What alternative approaches have been considered to meet programmatic demands for this equipment?

Teaming with "Electronics 2010" to receive evaluation units for lab course prototype deployment

How many students will be impacted by the purchase of this equipment? 24/yr for 2009-2011

Do students use this equipment? yes no

Is this equipment a replacement? yes no

Staffing requirements for new equipment (number of staff, are they available, training, etc.):

Will training be required? **yes** **no**

At whose cost?

Most training for lab instructors will be provided through the Electronics 2010 program.

What are the estimated ongoing costs (for maintenance, etc.)? **\$1,000/yr for equipment repair/replacement and lab consumables and tooling.**

Are there potential utility costs/savings? **no**

Is this request CTE (Career Technical Education) Eligible? **yes** **no**