

Student Technology Fee

Grant Proposal

2010,009

2009-10

Tracy Brown

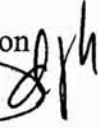


Approved

Denied

Comment: _____

Diana Hamilton



Approved

Denied

Comment: _____

Gary Gatch



Approved

Denied

Comment: _____

Mike McDonald/James Leonards

Approved

Denied

Comment: _____

Dale Martin

Approved

Denied

Comment: _____

Student Technology Fee
Grant Proposal Request Form
Fiscal Year 2009-10
Northwestern State University of Louisiana

table
FF
w/ letter
2010.009

ALL BLANKS MUST BE FILLED COMPLETELY

Prepared by: Bobby Nowlin For: Autodesk Technology Enhancement

Department/Unit: Engineering Technology College: Science&Technology Campus: Natchitoches

Which NSTEP Goals/Objectives does this project meet? Goals 2& 4; Objectives 1-4, 6, 7 &9

Requested equipment will be located/installed/housed? Building Williamson Hall Bld 54 Room 123

Are department property policies and procedures in place for requested equipment? Yes

Which individual will be responsible for property control of the requested equipment?

Signature: [Signature] Dr. Tom Hall Date: 10/29/09

Grant Proposal Requested Amount: \$ 15,630 Budget Attached (circle one): YES/NO

Grant delivered to Student Technology located in Watson Library, Room 113. Date 30 Oct 09

The grant proposal must include all specifications, description, model number, quotation, cost, state contract number, and vendor for each item. If the proposal does not include all requested information, it will be returned to requestor.

1. Describe target audience. The Autodesk programs will be utilized by approximately 100 students that each year in the Engineering Technology Department. There are approximately 30 students that are in the Family and Consumer Science that will also use the program. We are now offering Autodesk courses on line that will be taught to industry, students enrolled in the CALL program and our students on this and other campuses. The number of students from the online community will help open our program for expansion.

2. Describe project/initiative for which you are requesting funds. The project is to purchase the Autodesk Educational Suite for Mechanical Engineering. This will be used to teach Inventor, AutoCAD 2D, AutoCAD 3D, and AutoCAD Architecture. After the purchase, the programs will be kept current using a maintenance program funded by lab fees. This will insure the most current system for our students to work and learn on.

3. State measurable objectives that will be used to determine the impact/effectiveness of the project. Employment of our students for their ability to use these programs will be our determining factor of impact and effectiveness. Our students are sought for their ability to use AutoCAD programs now. We can not keep the programs current. We buy programs every three to four years. This will give us the most current programs and increase the demand for our students.

4. Indicate how each project objective will be evaluated. The students are graded on their ability to do assigned work. This includes book drawings, projects in other classes and senior projects. These computer programs are required for a degree in this program and in Family and Consumer Science.

5. If funded, which NSTEP <http://www.nsula.edu/nstep/NSTEP.pdf> objective(s) will the funding of this project advance. How will funding of the project advance the University and College/unit technology plan? Objectives 1-4, 6, 7 & 9. This grant will give greater access to students and faculty to the most current Autodesk programs. Purchasing this program with the grant will give us the capability to maintain updates and maintenance with our lab fees. This will train our students on programs that will be as current and, in most cases, more current than the industry that will employ them. Our online course will need to keep current editions of the program because the online students will have student copies of the most current versions.

6. Provide a justification for funding of this project. Estimate the number of student that will be served per academic year and in what ways. Please indicate also any unique needs of the target group. . The funds will be used to purchase an Autodesk program that will include Inventor Professional Suite, Impression, AutoCAD Electrical, Autodesk Sketch Book, Autodesk Showcase, and Autodesk 3ds Max Design. Approximately 130 students will be served by these programs each year as required courses. The number should increase as the programs are offered on line and some students take these courses as electives and job required skills from industry.

7. List those individuals who will be responsible for the implementation of the project/initiative and indicate their demonstrated abilities to accomplish the objectives of the project. There are presently four instructors teaching AutoCAD courses. Three are full time professors and have taught the courses for more than five years. One is an adjunct and has taught the courses for five years. Two of the full time professors have taken Autodesk inventor training. Once with an Autodesk licensed instructor and once with a Project Lead The Way instructor.

8. Describe any personnel (technical or otherwise) required to support the project/initiative. Information Systems for NSU will need to install the programs. An older version is installed and they are familiar with the programs and their requirements. Support beyond that is the same as any other programs and computer systems. Lab fees will be used to keep the program current through a updating agreement with Autodesk. Lab fees will be sufficient for this expense.

9. Provide a schedule for implementation and evaluation. The program will be installed as soon as it arrives and we will start teaching using these programs at that time. Should happen within two weeks of program arrival.

10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years. The plan is for this to continue for many years with yearly upgrades to programs using lab fees. This should go well beyond five years. Computers will be upgraded every three to four years as we have done in the past.

11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received through a Student Technology Fee.
If you are requesting equipment that will be either/or checkout to students or moved within the department, you must provide a checkout/loan policy. The building is locked by the last professor leaving and that schedule is printed out. The class room locks when the door closes and requires a faculty key to be opened. The computers that contain the programs can only be opened by ET students or students enrolled into ET classes.

Attach two (2) letters of support for the project from the following individuals: the requesting department's Dean, the appropriate Vice President (for non-academic units), or the SGA President from the requesting campus (for student requests).

Student Technology Fee Grant Proposal Checklist:

- Is all information requested provided (items 1 – 11)?
- Is a detailed budget attached?
- Is all specifications, description, model number, quotation, cost, state contract number, and vendor provided for each item?
- Are your two (2) letters of support attached?
- If equipment is to be checked-out/loaned, is your policy attached?

TOTAL

\$ 15,630.00



Provost & Vice President for Academic Affairs

Telephone (318) 357-5361
FAX (318) 357-4517
E-mail vpaa@nsula.edu
www.nsula.edu/provost/

Northwestern State University
Natchitoches, Louisiana 71497

A Member of the University
of Louisiana System

October 29, 2009

NSU Student Government
Student Technology Grants
Northwestern State University
Natchitoches, LA 71497

Dear Sir or Madam:

This letter is to provide my full support for the request of the Department of Engineering Technology for computer-aided drafting software.

The Department has been designated by the Board of Regents as an Area of Excellence. Graduates from Engineering Technology greatly enhance the technological growth of Natchitoches, the CENLA region, and the State of Louisiana. This software will support a new initiative to offer computer-aided drafting on line. The department has attracted new non-traditional students from industry to take these courses.

I believe that the purchase of computer-aided drafting software is an excellent use of student technology fees. It will pay dividends to our region and state.

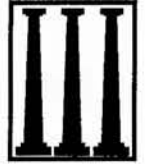
Sincerely,

Lisa Abney
Acting Provost &
Vice President
Academic & Student Affairs



COLLEGE OF SCIENCE & TECHNOLOGY

OFFICE OF THE DEAN



October 29, 2009

NSU Student Government
Student Technology Grants
Northwestern State University
Natchitoches, LA 71497

Dear Sir or Madam:

On behalf of the College of Science and Technology at Northwestern State University, I give my wholehearted support for the proposal submitted by the Department of Engineering Technology which requests the purchase of a perpetual license for AutoDesk software.

This application software is used in four courses in the Industrial Engineering Technology program, one course in the Electronics Engineering Technology program and in two courses in the Department of Family and Consumer Sciences. Further, this software will be key to a new initiative to offer computer-aided drafting on-line. Already, new non-traditional students from industry have been recruited for the first course this spring. As students will be able to download a current student version, the department must maintain current software in the labs. Using the perpetual license arrangement will facilitate maintaining current applications. The department has agreed to pay the annual maintenance fees following the first year.

In the past five years, skills in computer-aided drafting have been the most important factor in hiring for a great many graduates. A great majority of companies hiring our graduates are looking for expertise in drafting in their entry-level jobs. We have found that the initial hiring—supported by drafting skills—has then led to rapid advancement by our graduates.

The purchase of this software is an outstanding use of the student technology fees.

Sincerely,

Austin L. Temple, Jr., PhD
Dean, College of Science and Technology
Northwestern State University
Natchitoches, LA, 71497

Northwestern State University, Natchitoches, Louisiana 71457

A Member of the University of Louisiana System

Phone (318) 357-6699

Fax (318) 357-5599



NORTHWESTERN
STATE UNIVERSITY OF LOUISIANA
Natchitoches, Louisiana 71497


A Member of the University of Louisiana System

Dr. Thomas M. Hall, Jr.
Department of Engineering Technology
College of Science and Technology
Telephone: (318) 357-5298
E-mail: hallt@nsula.edu

December 2, 2009

MEMORANDUM

TO: Jennifer Long Martin, Student Technology Support Specialist

FROM: Dr. Thomas M. Hall, Jr., Head, Department of Engineering Technology 

SUBJECT: Uses of Autodesk Software Requested in Student Technology Fee Grant Application

1. The following information is supplied as requested. The Autodesk software requested on this grant application is used to:
 - a. Create two-dimensional drawings (blueprints and house plans, for example).
 - b. Create three-dimensional drawings (machine parts, for example).
 - c. Design and development of new 3-D parts for fit, function and appearance.
 - d. Do rapid prototyping. (In conjunction with other equipment owned by the department, produce a model of a part or other object that could be put into production. The centerpiece developed for Family and Consumer Sciences is a good example of rapid prototyping.)
 - e. Support the Interior Design concentration in Family and Consumer Sciences (students take two course using this software).
2. The benefits to NSU students:
 - a. Design and drafting skills that are in great demand by employers.
 - b. Create objects for the benefit of NSU. (The table centerpiece and lectern are examples.)
 - c. Learn skills that are transferred to other courses in manufacturing processes, etc.
 - d. Develop items that showcase engineering technology programs that can be used in recruiting, retention, and other areas.
3. If further information is required, please contact the Department of Engineering Technology.