

Student Technology Fee
Special Initiative Request Form
Fiscal Year 2016-17
Northwestern State University of Louisiana

ALL BLANKS MUST BE FILLED COMPLETELY

Prepared by: _____ STAT _____ For: _____ Campus Initiatives _____

Department/Unit: _____ College: _____ NSU _____ Campus: _____ NSU Community

Which NSTEP Goals/Objectives does this project meet? _____ 1 - 10 _____

Requested equipment will be located/installed/housed? Building _____ Room _____ NSU _____

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: _____ Date: _____

Proposal Requested Amount: \$ _____ 391,217.66 _____ Budget Attached (circle one): YES/NO

Proposal delivered to Student Technology located in Watson Library, Room 113. Date _____

The 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.

All students enrolled through Northwestern State University

2. Describe project/initiative for which you are requesting funds.

To purchase equipment to be used by and for all NSU students.

3. State measurable objectives that will be used to determine the impact/effectiveness of the project.

The equipment will directly impact all students on the Natchitoches, Shreveport and Ft. Polk Campus. This initiative will also benefit on-line students.

4. Indicate how each project objective will be evaluated.

The effectiveness of system will be evaluated by the students on and off campuses in the academic coursework.

5. If funded, which NSTEP <http://www.nsula.edu/nstep/NSTEP.pdf> objective(s) will this funding of this project advance? How will funding of the project advance the University and College/unit technology plan?

Objectives 1 – 10 will be enhanced.

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.

This project will directly affect all students on all NSU campus and on-line students to better prepare them for coursework related technologies.

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.

Jennifer Long, Instructional Technology – will serve as project manager

8. Describe any personnel (technical or otherwise) required to support the project/initiative.

Instructional Technology will be provide all technical support necessary.

9. Provide a schedule for implementation and evaluation.

Funding – November
Purchase – November/December
Installation – Spring Semester

10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five years.

The hardware should have a life span from 5 years.

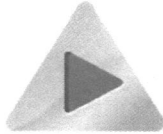
11. Explain in detail a plan and policy that will be in place to ensure property security/controls for any equipment received through a Student Technology Fee.

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 department will follow policies and procedures in place by the university.

12. Below is a detailed budget.

Department	Description	Cost/Each	Total
SMART Classrooms	3 – ROTC; 1 – Williamson Hall	\$30,591.41	\$30,591.41
Classroom additions/upgrades	Classrooms across campus	\$50,000.00	\$50,000.00
Nursing Skills Lab	Rapides campus	\$20,000.00	\$20,000.00
Shreveport Campus Student Initiative – mini Academic Success Center	5 – CPU/\$1,218.47/network - Shreveport campus	\$10,626.25	\$10,626.25
Compressed Video upgrade for Ft. Polk campus	Ft. Polk campus	\$30,000.00	\$30,000.00
Biology Department Initiative	Biology/Life Science	\$150,000.00	\$150,000.00
New Media Department	New Media Department (Macs/tables/scanners/TVs/tables/chairs)	\$100,000.00	\$100,000.00
		Total	\$391,217.66



summit
INTEGRATION SYSTEMS

Date: 11/8/2016
To: NSU/Jennifer Long
Phone:

From: Scott Albarado (salbarado@summit-sys.com)
Re: **State Contract Quote Requested for (3) ROTC Smart Board Room Upgrades**

<u>Qty</u>	<u>Description</u>	<u>Line #</u>	<u>*Unit Price</u>	<u>*Total Price</u>
State Contract #4400005152				
3	Epson PowerLite 580Ultra Short Throw Projector (V11604020)	947105	\$ 1,018.00	\$3,054.00
State Contract #4400005636				
3	Summit-SIS-CHI-PACPC1-Power Filter Kit for Projector	956969	\$ 134.40	\$403.20
6	Summit-SIS-PC-INT-Interconnect Cables	955939	\$ 35.00	\$210.00
1	Summit-SIS-WARR2-One Year Onsite Extended Labor Warranty	956543	\$ 1,142.85	\$1,142.85
21	Summit Onsite Installation / troubleshooting / Project Management & System Testing	957452	\$ 90.00	<u>\$1,890.00</u>
Total State Contract Items				\$6,700.05
Non Contract Items:				
3	Smart Learning Suite Software License (ED-SW-1)		\$ 109.00	\$327.00
3	Doceri Desktop Software (For Remote Control of PC from IPAD)		\$ 30.00	<u>\$90.00</u>
Grand Total				\$7,117.05

3639 Ambassador Caffery Pkwy, Suite 402, Lafayette, LA 70503
Phone (337) 406-0480 Toll Free (877) 406-0480 Fax (337) 406-0760
Corporate Office
Phone (800) 4442480 Fax (504) 454-9535

New Media

Apple Store for Education Institution

Proposal 2102448292

Proposer: Tracy Brown

Thank you for your proposal dated 11/07/2016. The details we've provided below are based on the terms assigned to account 736669, NORTHWESTERN STATE UNIVERSITY.

To access this proposal online, please search by referencing proposal number 2102448292.

Comments from Proposer:
Kyser 106

Part Number	Description	Total Price
Z0SC	iMac 27-inch with Retina 5K display 4.0GHz Quad-core Intel Core i7, Turbo Boost up to 4.2GHz 16GB 1867MHz DDR3 SDRAM - 2x8GB 1TB Flash Storage AMD Radeon R9 M395X with 4GB GDDR5 Wired Apple Mouse Apple Keyboard with numeric keypad (English) / User's Guide (English)	88,729.51 11,270.49 Tables - 4500 Chairs - 2000 Middle Tables - 1600.00 0.00 USD
S3128LL/A	AppleCare Protection Plan for iMac - Auto-enroll	0.00 USD
Total		71,148.00 USD

Please note that your order subtotal does not include Sales tax or rebates. Sales tax and rebates, if applicable, will be added when your order is processed.

How to Order

If you would like to convert this Proposal to an order, log into the Apple Store for Education Institution [<https://ecommerce.apple.com>] and click on Proposals. Then search for this Proposal by entering the Proposal number referenced above.

Note: A Purchaser login is required to order. To request Purchaser access for your Apple Account, log into Apple Store for Education Institution and select the 'Register' link from the store login page. Purchases under a Proposal are subject to the terms and conditions of your agreement with Apple and the Apple Store for Education Institution.

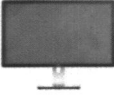



Please contact us at 800-800-2775, if you have further questions or need assistance.

The prices and specifications above correspond to those valid at the time the proposal was created and are subject to change.

Room 106
New Media

9/14/2016 5:12:59 PM
Order Contact

Cart Contents

Item	Quantity	Estimated Ship Date	Price
 Add to List	Dell 27 Ultra HD 4K Monitor - (\$601.99/ea) P2715Q Dell 27 Ultra HD 4K Monitor - P2715Q Premier Discount	21 Available to ship in 8 - 11 business days	\$14,699.79
			(\$2,058.00)
			\$12,641.79
 Add to List	Wacom Intuos Pro Large - (\$449.99/ea) Digitizer - 12.8 x 8 in - electromagnetic - 8 buttons - wireless, wired - USB - black Manufacturer Part#: PTH851 Dell Part#: A7195028 Premier Discount	21 9/15/2016	\$10,499.79
			(\$1,050.00)
			\$9,449.79
 Add to List	Perfection V600 Photo Scanner (\$196.94/ea) Manufacturer Part#: B11B198011 Dell Part#: A6861056 Premier Discount	21 9/15/2016	\$4,809.00
			(\$673.26)
			\$4,135.74
 Add to List	Samsung 70 inch 4K Ultra HD (\$1,997.99/ea) Smart TV UN70KU6300F UHD TV Manufacturer Part#: UN70KU6300FXZA Dell Part#: A8863007 Premier Discount	2 9/15/2016	\$5,599.98
			(\$1,604.00)
			\$3,995.98
Subtotal			\$30,223.30
Estimated Shipping			\$0.00
Estimated Tax			\$3,022.33
Total			\$33,245.63

Home Computer Furniture Computer Chairs Economy Mesh Back Task Chair

Computer Furniture

- Children's Computer Furniture
- Computer Carts
- Computer Chairs
- Computer Desks & Carrels
- Computer Furniture Accessories
- Computer Tables
- LAN Workstations
- Laptop Caddies
- Laptop Lockers
- Laptop Storage Carts
- Printer Stands
- Wheelchair Accessible Workstations

Promotions

- On Sale
- Ships in 24
- Clearance

Top Categories

- AV Equipment
- Chairs
- Classroom Furniture
- Desks
- Preschool Furniture & Equipment
- Tables

Categories

- Art & Craft Supplies
- Bulletin Boards & Letter Boards
- Cafeteria & Food Service
- Carts
- Classroom Rugs
- Computer Furniture
- Drafting & Art Furniture
- Dry Erase & Chalkboards
- Easels
- Educational Technology
- Facility Equipment
- Gym & Sports Equipment
- Industrial & Vocational Arts Furniture
- Library & Media Center Furniture
- Lockers
- Medical Furniture & Equipment
- Music Furniture & Equipment
- Office Furniture
- Outdoor Furniture & Park Equipment
- Playground Equipment



Click to Enlarge

Economy Mesh Back Task Chair

Norwood Commercial Furniture Economy Mesh Back Task Chair w/ out Arms

★★★★★ 5.0 (1) [Write a review](#)

Your Price: **\$59.88** each
 Manufacturer's Price: ~~\$82.46~~
 Save 27%

SKU: NOR-IAH1043-SO

[Calculate Shipping](#)



On Sale


Ships in 24 hrs

SHARE: [f](#) [t](#) [e](#) [Pin it](#) [Like 0](#) [G+1](#) [0](#)


[Add to Cart](#)

1) Choose a quantity:


Seat Material:	Black fabric upholstery
Back Material:	Black mesh
Frame Material:	Polypropylene
Warranty:	5 years
Other Info:	Black nylon star base w/ 5 rolling casters Meets ANSI-BIFMA standards CAL117 compliant
Seat Height:	15 1/2" – 19" adjustable
Seat Size:	18 1/2" W x 17 1/2" D
Back Size:	17 1/2" W x 17 3/4" H
Width:	24"
Depth:	21"
Height:	32 1/2" - 36" adjustable
Assembly:	Assembly required
Weight:	20.7 lbs.
Shipping Method:	UPS

- 


Work Smart Screen Back Task Chair w/ Arms
Office Star Products
\$77.99

- 


ComfySeat Mesh-Back Posture Task Chair w/out Arm Rests
OFM
\$131.88

- 

Budget Task Chair
Alvin
\$72.99

- 

Mesh Back Task Chair w/ Tilt
Norwood Commercial Furniture
\$66.88

- 

Argentum Mesh-Back Task Chair
Alvin

Reviews

[Write a review](#)

Rating Snapshot

Select a row below to filter reviews.

Average Customer Ratings

Overall ★★★★★ 5.0

**Technology Wish List for the School of Biological and Physical Sciences
Fall 2016**

Anatamage (Anatomy Visualization Table)	\$78,000
iWorx Animal Physiology Add-on Transducer Set	\$12,000
Microscope Camera for Olympus Fluorescent Microscope	\$9,000
(2) Windows 10 computers for Olympus and Zeiss Fluorescent Microscopes	\$3,000
HD TV and wall-mount for Olympus and Zeiss Fluorescent Microscopes	\$1,000
Stand-alone C-mount Camera for Phase Contrast Microscope	\$1,000
BioRad Thermocycler	\$2,500
Microlab Chemistry systems with Computers	\$15,000
CFX96 Touch Real-Time PCR Detection System	\$21,800
UV-Vis	\$9,000
(2) SmartKapp IQ Pro	\$18,000
SmartKapp Digital Dry-Erase Boards	\$10,800
FT-IR	\$16,000
Windows 10/Bucher Upgrade and Computer for MALDI Mass Spectrometer	\$15,000
(6) Bluetooth Microscope Cameras for teaching laboratories	\$1,500
Vernier Probes for Freshmen Biology Laboratories	\$14,000
Total	\$227,600

Justification/Usage

Anatamage (Anatomy Visualization Table)

The Anatamage Table is the most technologically advanced anatomy visualization system for anatomy education and is being adopted by many of the world's leading medical schools and institutions. The Anatamage Table is a combination of unique hardware and software for the educational community. The form factor resembles an operating table or hospital bed and the real patient contents perfectly illustrate the anatomical realism of a living human. The Anatamage Table can be used directly during lectures since it connects to projectors. Instructors can create and demonstrate procedural material, making lectures more dynamic and engaging to students. The Anatamage Table is an excellent supplement or replacement to cadaveric studies. With the segmentation features, each system or anatomical structure can be separated and reviewed individually.

iWorx Animal Physiology Add-on Transducer Set

The iWorx Animal Physiology Add-On Transducer Set adapts the iWorx system (which we currently have) for use in traditional animal physiology experiments. This set includes all the equipment and courseware needed to convert our human kit into a combination animal/human kit. With these additional transducers, 11 animal experiments with 47 exercises can be conducted. These include studies of action potentials, muscles, synapses, metabolism, fluid balance, and membrane potentials.

Microscope Camera for Olympus Fluorescent Microscope

With the camera, we will be able to capture images from our existing Olympus Fluorescent Microscope. These images can include a variety of microorganisms like parasites (ticks and parasitic worms) as well as bacteria and fungi.

(2) Windows 10 computers for Olympus and Zeiss Fluorescent Microscopes

With the upgrade of the computers for both our Olympus and Zeiss Fluorescent Microscopes, we will be able to improve our microscopy capabilities and interface with new cameras and TV monitors.

HD TV and wall-mount for Olympus and Zeiss Fluorescent Microscopes

This TV can be mounted on the wall outside of the microscopy room (either in the hallway for “public” viewing or in a classroom for class demonstrations) allowing images viewed on the scope can be viewed outside of the small microscopy room.

Stand-alone C-mount Camera for Phase Contrast Microscope

With the addition of a camera to our existing phase contrast microscope, we can capture images of microorganisms (bacteria and fungi) for use in classroom demonstrations and research purposes.

BioRad Thermocycler

A thermal cycler (also known as a PCR machine or DNA amplifier) is a laboratory apparatus most commonly used to amplify segments of DNA via the polymerase chain reaction (PCR). This machine can be used in many laboratory classes (microbiology, genetics, molecular biology, cell biology, and biochemistry) as well as research projects. The DNA created by this machine can be used to create genetically-modified microorganisms or by sequenced using our existing DNA sequencing machine.

(5) Microlab Chemistry systems with Computers

This is a computer-based data acquisition tool and software for many chemistry laboratory purposes. These units will be used to measure light absorbance, fluorescence, chemical kinetics, pH, temperature, electrical conductance, a spectral profiles.

CFX96 Touch Real-Time PCR Detection System

A real-time polymerase chain reaction is a laboratory technique based on the polymerase chain reaction (PCR). It monitors the amplification of a targeted DNA molecule during the PCR, i.e. in real-time, and not at its end, as in conventional PCR. Quantitative PCR is a modern method for studying gene expression. This machine can be used in many laboratory classes (microbiology, genetics, molecular biology, cell biology, and biochemistry) as well as research projects. The DNA created by this machine can be used to create genetically-modified microorganisms or by sequenced using our existing DNA sequencing machine.

UV-Vis

This machine allows you to perform ultraviolet-visible spectroscopy. This involves analysis of the absorption or reflectance spectroscopy in the UV spectral region (light in the visible and adjacent or near-UV range). UV-Vis spectroscopy is routinely used in analytical chemistry for the quantitative determination of different analytes, such as transition metal ions, highly

conjugated organic compounds, and biological macromolecules. Spectroscopic analysis is commonly carried out in solutions but solids and gases may also be studied. This machine could be used in our two general chemistry laboratories as well as organic chemistry and new chemistry courses that we are hoping to offer in the near future.

(2) SmartKapp IQ Pro

This is a display, whiteboard and video conference hub. SMART kapp iQ Pro™ gives one-touch access to a whiteboard, a web browser and wireless screen sharing, all without the need for external PC. You can write over any file you bring up on the display, and save your notes. Plus, plug in your laptop to easily videoconference.

SmartKapp Digital Dry-Erase Boards

SMART kapp is the share-as-you-go whiteboard. You can just walk up and start writing with a dry-erase marker. Everyone you invite sees whatever you jot down, erase and scribble on your SMART kapp as it happens – worldwide. Students can save notes on their phone, tablet and PC with a tap, erase and repeat.

FT-IR

Fourier transform infrared spectroscopy (FT-IR) is a technique which is used to obtain an infrared spectrum of absorption or emission of a solid, liquid or gas. An FT-IR spectrometer simultaneously collects high spectral resolution data over a wide spectral range. This confers a significant advantage over a dispersive spectrometer which measures intensity over a narrow range of wavelengths at a time. This machine could be used in our two general chemistry laboratories as well as organic chemistry and new chemistry courses that we are hoping to offer in the near future.

Windows 10/Bucher Upgrade and Computer for MALDI Mass Spectrometer

MALDI imaging mass spectrometry (MALDI-MS) is the use of matrix-assisted laser desorption ionization as a mass spectrometry imaging technique in which the sample, often a thin tissue section, is moved in two dimensions while the mass spectrum is recorded. Advantages, like measuring the distribution of a large amount of analytes at one time without destroying the sample, make it a useful method in tissue-based study. MALDI-MS involves the visualization of the spatial distribution of proteins, peptides, lipids, and other small molecules within thin slices of tissue, such as animal or plant. The application of this technique to biological studies has increased significantly since its introduction. MALDI-MS is providing major contributions to the understanding of diseases, improving diagnostics, and drug delivery. Significant studies are of the eye, cancer research, drug distribution, and neuroscience. MALDI-MS has been able to differentiate between drugs and metabolites and provide histological information in cancer research, which makes it a promising tool for finding new protein biomarkers. However, this can be challenging because of ion suppression, poor ionization, and low molecular weight matrix fragmentation effects. To combat this, chemical derivatization is used to improve detection. We currently have a functional MALDI-MS but its functionality is limited because the software must be used with a WindowsXP computer. We need to upgrade the computer and software to improve our detection capabilities.

(6) Bluetooth Microscope Cameras for teaching laboratories

The use of these wireless microscope cameras will allow us to use existing technologies in our laboratory classrooms to project images viewed on student microscopes directly onto our projections systems. This will allow us to direct students' attention to specific images and assist in teaching proper microscopy techniques.

Vernier Probes for Freshmen Biology Laboratories

These products are designed specifically for education and are held to high standards for quality. Vernier products are built to be durable. The probes support an active, hands-on experimental experience for our students. We have used these systems in our laboratories for many years. Our probes are now almost 10 years old and are in need of being replaced. These units are used in our Freshmen Biology laboratories.