



# STUDENT TECHNOLOGY FEE INFRASTRUCTURE REQUEST FORM FISCAL YEAR 2024-25

## ALL BLANKS MUST BE FILLED COMPLETELY

Prepared by: STAT for NSU Campuses

Department/Unit: STAT College: NSU Campus: NSU

Which **NSTEP Goals/Objectives** does this project meet? 1,2,5,6,8

Signature: Christopher P. Brumley Digitally signed by Christopher P. Brumley  
Date: 2024.10.16 07:17:59 -05'00' Date: 10/16/2024

Proposal Requested Amount: \$150,000.00 Budget Attached: YES  NO

- Describe target audience:  
All students enrolled through Northwestern State University. This equipment will be utilized across Northwestern State University campuses.
- Describe project/initiative for which you are requesting funds:  
To purchase network related equipment, including wired and wireless, to upgrade infrastructure across Northwestern State University campuses.
- State measurable objective that will be used to determine the impact/effectiveness of the project:  
To enhance student connectivity across Northwestern State University campuses.
- Indicate how each project objective will be evaluated:  
The effectiveness of the infrastructure upgrades will be evaluated by the usage of the equipment by the student body at the different locations.
- If funded, which **NSTEP objective(s)** will this funding of this project advance? How will funding of the project advance the University and College/unit technology plan?  
Objectives 1-9 will be enhanced.
- Provide a justification for funding of this project. Estimate the number of students that will be served per academic year and in what ways. Please indicate any unique needs of the target group:  
This project will directly affect numerous students. The infrastructure upgrades will enhance connectivity and usage throughout the campus community.

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7. List those individuals who will be responsible for the implementation of the project/initiative and indicate their demonstrated abilities to accomplish the objective of the project:

Chris Brumley, Director of Academic Technology Services, will serve as project manager.

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

Academic Technology Services and Instructional Technology will provide all technical support necessary.

9. Provide a schedule for implementation and evaluation:

Funding (October), Purchase (October/November), Installation (Spring Semester)

10. Estimate the expected life of hardware and software. Explain any anticipated equipment/software upgrades during the next five (5) years:

The hardware should have a life span of 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 the Student Technology Fee. If you are requesting equipment that will either be checked out 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 Per Project	Total Cost
Information Technology Services (ITS)	NSU's core network will reach its end-of-life and end-of-support windows in the coming months. For nearly a decade, this equipment has provided the university with reliable connectivity between buildings, firewalls, server clusters, and the Internet. As time draws near to replace this critical equipment, ITS has utilized partners and internal staff to design the next generation of the University's core network. The new network will improve <i>resiliency, reduce downtime, and increase support options.</i> The	\$215,094.26	\$75,000.00
Information Technology Services (ITS)	NSU's Shreveport campus has the oldest network of any academic space. The equipment was initially released in 2010 and passed the end-of-support milestone in 2020. ITS's network team has already replaced failed equipment with equipment from other buildings and reduced network drop counts available on campus. The network team will be unable to sustain the "rob Peter to pay Paul" support method for much longer. The new equipment proposed for the Shreveport campus will restore the previously removed network <i>capabilities, bring the equipment back into support, improve the</i>	\$175,815.90	\$75,000.00
		Total	\$150,000.00 (Partial)

Email completed request to Chris Brumley at [brumleyc@nsula.edu](mailto:brumleyc@nsula.edu)

# Memo

**To:** Student Tech Fee Committee

**From:** Rocky Perritt, Deputy Chief Information Officer

**CC** Chris Brumley, Ron Williams, Blayne Henson

**Date:** 10/14/2024

**Attachments:** Quotes for Core Network and Shreveport Network

**Re:** Network Infrastructure Updates

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TLDR: Information Technology Services (ITS) requests funds to replace the aging network infrastructure in the Natchitoches core and the Shreveport campus. We request that the Student Technology Fee contribute to the cost of these projects, up to a maximum of \$150,000.

NSU's core network will reach its end-of-life and end-of-support windows in the coming months. For nearly a decade, this equipment has provided the university with reliable connectivity between buildings, firewalls, server clusters, and the Internet. As time draws near to replace this critical equipment, ITS has utilized partners and internal staff to design the next generation of the University's core network. The new network will improve resiliency, reduce downtime, and increase support options. The proposed equipment will also allow the university to increase the bandwidth capabilities of the network to 40Gb right away and allow for easy expansion to 100Gb in the future.

NSU's Shreveport campus has the oldest network of any academic space. The equipment was initially released in 2010 and passed the end-of-support milestone in 2020. ITS's network team has already replaced failed equipment with equipment from other buildings and reduced network drop counts available on campus. The network team will be unable to sustain the "rob Peter to pay Paul" support method for much longer. The new equipment proposed for the Shreveport campus will restore the previously removed network capabilities, bring the equipment back into support, improve the network's reliability, and increase connectivity across the campus to 10Gb.

Attached you will find budgetary quotes for each project. Please note that the equipment models, quantities, and pricing may change after the final design of each project is selected. Additionally, the vendors have requested that budgetary pricing not be publicly published.