

STUDENT TECHNOLOGY

GRANT PROPOSALS

2019 - 2020

2020.009

Computers - ✓
B&H - ✓

TRACY BROWN: ACCEPTED

OPPOSED:

COMMENTS:

To be considered with new computers
Will not upgrade 6 year old computers

SIGNATURE: [Signature]

DATE: 12/2/19

HEATH FITTS: ACCEPTED

OPPOSED:

COMMENTS:

SIGNATURE: Heath Fitts

DATE: _____

SHAWN PARR: ACCEPTED

OPPOSED:

COMMENTS:

NEW COMPUTERS ONLY, NO UPGRADES

SIGNATURE: [Signature]

DATE: 12/3/19

BLAYNE HENSON: ACCEPTED

OPPOSED:

COMMENTS:

Direct replacement no new wiring required

SIGNATURE: [Signature]

DATE: 12/4/19

PHILLIP MARTIN: ACCEPTED

OPPOSED:

COMMENTS:

no updates to 6 year old computers. Need new computers

SIGNATURE: [Signature]

DATE: 12-3-19

2020.009
PF

Northwestern State University of Louisiana

2019-2020 Student Technology Fee Grant Application

Please Complete the Entire Application

Prepared by: Dr. Tommy Ike Hailey

For: NSU Remote Systems Science & Technology Initiative

Department/Unit: CJHSS College: Arts and Sciences Campus: Natchitoches

Which NSTEP Goals/Objectives does this project meet? NSTEP Goals: 1, 2, 3, & 4; NSTEP Objectives: 1, 3, 6, 7, 8, & 9

Requested equipment will be located/installed/housed? Building Kyser (081) Room 107C & 206

Does the department receive lab fees? (circle one) YES/ NO

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: 21NOV2019

Dr. Mark O. Melder, Department Head, CJHSS

Proposal Requested Amount: \$23,323.49 Budget Attached (circle one): YES/NO

Proposal delivered to Student Technology located in Watson Library, Room 113. Date 11.21.19

Please be sure to include detailed specifications, vendor information, state contract information, descriptions, and quantities in the application.

1. Describe the target audience.

The target audience will be students enrolled in courses affiliated with the proposed NSU Remote Systems Science and Technology Undergraduate Certificate, which currently has support from the School of Business, the Department of Biological and Physical Sciences, the Computer Information Systems Program, the Mrs. H. D. Dear and Alice Dear School of Creative and Performing Arts, the Department of Criminal Justice, History, and Social

Sciences, the Department of Engineering Technology, the Department of English, Foreign Languages, and Cultural Studies, and the Department of Hospitality Management and Tourism.

2. Describe the project/initiative.

The NSU Remote Systems Science and Technology Initiative addresses the predicted dramatic increase in demand for certified remote pilots (also known as drone pilots) in a wide range of disciplines over the course of the next few years. The proposed RSST Undergraduate Certificate will provide NSU students with a foundation in remote systems applications, operation, and regulations, with electives to support each student's major field. Electives thus far include twenty seven designated courses from ANTH, BIOL, BUAD, CIS, COMM, CJ, EET, ENGL, GEOG, HMT, IET, and UPSA.

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

- **Project Objective 1 – Contact relevant NSU department heads & faculty to assess interest in RSST Undergraduate Certificate proposal – Spring 2019 and ongoing;**
- **Project Objective 2 – Contact NSU administration to assess support for RSST Undergraduate Certificate proposal – Spring 2019;**
- **Project Objective 3- Assess computer and remote systems equipment needs – Spring 2019 and ongoing;**
- **Project Objective 4 – Seek funding for Project Objective 3 – Fall 2019 and ongoing;**
- **Project Objective 5 - Submission of RSST Undergraduate Certificate Proposal to CRC – December 2019 for January 2020 CRC meeting;**
- **Project Objective 6 – Upon approval of CRC, submission of RSST Undergraduate Certificate Proposal to Board of Regents – Spring 2020;**
- **Project Objective 7 – Acquire computer upgrades and remote systems equipment – Spring 2020 and ongoing;**
- **Project Objective 8 – Faculty training on applications and use of equipment, data collection, data processing – Spring 2020 and ongoing;**
- **Project Objective 9 – Advertisement/recruitment to RSST Undergraduate Certificate program – Spring 2020 and ongoing;**
- **Project Objective 10 – Support for faculty research projects – Summer 2020 and ongoing;**
- **Project Objective 11 – Begin offering introductory RSST classes to students in all relevant majors – Fall 2020;**
- **Project Objective 12 – Begin offering advanced RSST classes and FAA Part 107 Exam Preparation classes – Spring 2021.**

4. Please explain the evaluation process for each project objective.

- **Project Objective 1 – Began with inception of RSST Undergraduate Certificate concept in the Spring 2019 semester and continues. Thus far, numerous department heads and faculty from across campus have enthusiastically expressed support for this certificate as an add-on for their students;**
- **Project Objective 2 – Began with inception of RSST Undergraduate Certificate concept in the Spring 2019 semester. Dr. Chris Maggio, Dr. Greg Handel, Dr. Marcus Jones, Dr. Darlene Williams, and Dr. Fran Lemoine are all in support of this Initiative;**
- **Project Objective 3 – Accomplished Summer and Fall 2019 for Student Tech Fee Grant proposal; Ongoing for 2020 Board of Regents grant cycle;**
- **Project Objective 4 – Applying for 2019-2020 NSU Student Technology Fee Grant for computer lab upgrades and small fleet for drones for use in classes and research projects; Preparing Fall 2020 grant proposal to submit to Board of Regents for acquisition of professional-grade aerial, terrestrial, and underwater remote systems. Successful proposals will indicate positive evaluation;**
- **Project Objective 5 - RSST Undergraduate Certificate proposal is nearing completion. Approval by CRC in January 2020 will indicate positive evaluation;**
- **Project Objective 6- Approval of RSST Undergraduate Certificate proposal by Board of Regents in Spring 2020 will indicate positive evaluation;**
- **Project Objective 7 – Provided the current Student Technology Fee Grant is approved, computer upgrades will be purchased and installed by NSU Information Systems and aerial units will be purchased in the Spring 2020 semester;**
- **Project Objective 8 – Training sessions resulting in faculty becoming proficient in RSST will indicate positive evaluation;**
- **Project Objective 9 – Working with NSU Marketing and Branding and NSU Recruiting to produce and distribute information and promote the RSST Initiative at campus events will generate interest and inquiries from students, setting the stage for enrolling the initial cohort for the program. Student enrollment in the program will indicate positive evaluation;**
- **Project Objective 10 – Two faculty research projects are already in the planning stage. As the knowledge of the capabilities of the equipment become more widespread, increased faculty implementation will be an indication of positive evaluation;**
- **Project Objective 11 – Registration of first cohort of RSST students. With the current interest in drone usage, it is anticipated that the classes will fill quickly, which will indicate a positive evaluation;**
- **Project Objective 12 – Successful completion of the introductory classes and enrollment in the advanced RSST and Part 107 Exam Prep classes by a significant portion of the students from the introductory classes will indicate positive evaluation.**

5. Which NSTEP <http://www.nsula.edu/nstep/NSTEP.pdf> objective(s) will this funding of this project advance? How will the funding of the project advance the University and College/unit technology plan? (Note: the link above did not work, The answers are based on the NSTEP file found here: <http://informationsystems.nsula.edu/assets/NSTEP/NSTEP-2008-2013-Final.pdf>)

- This project will advance NSTEP objectives 1, 3, 6, 7, 8, and 9.

- NSTEP Objective 1 – This project will allow us to provide access to current technology to students and faculty with upgraded computers in Kyser 206 and with aerial remote systems which will be available for classes and for individual checkout.

- NSTEP Objective 3 – This project will allow us to upgrade the computer hardware in Kyser 206, a Student Technology Fee funded computer lab. The upgrades will make these computers compatible with the software required for processing the large and complex files generated by aerial data acquisition. Updated GIS software licensing will be provided by the Department of Criminal Justice, History, and Social Sciences. Agisoft Metashape software has already been purchased through Dr. Hailey’s 2018-2019 Clyde M. Bostick Endowed Professorship funding. At present, the Kyser 206 computers are not adequate for processing data with these software packages.

- NSTEP Objective 6 – This project will allow us to provide course instruction to students and workshops for faculty on the use of the drone technology and data processing software. It will also support existing majors in numerous departments, as well as the proposed Remote Systems Science and Technology Undergraduate Certificate program, which is planned to go through the University and State-level approval process in the Spring 2020 semester and to become an official NSU offering in the Fall 2020 semester.

- NSTEP Objective 7 – This project supports the NSU Remote Systems Science and Technology Initiative, through which we have already begun to establish community and industrial partnerships and we are seeking funding through the Student Technology Fee grants program to further the Initiative. We will be planning invitational workshops to highlight faculty/student research.

- NSTEP Objective 8 – With its inherent interdepartmental and interdisciplinary nature, this project will promote cross-discipline research and grants writing among faculty and encourage grants writing among faculty for external funding sources. We are already planning an interdepartmental Board of Regents grant proposal for the Fall 2020 grant cycle.

- NSTEP Objective 9 – This project will provide hardware upgrades to the computers in Kyser 206, new hardware and software associated with the drone acquisitions, and user training on hardware and software for students and faculty.

6. Please justify funding for the project. Provide the number of students that will be served per academic year and in what ways. Please also indicate any unique needs of the target group. **The NSU RSST Initiative is an interdisciplinary and interdepartmental effort. Once the Initiative is fully underway and the Undergraduate Certificate is implemented, it is estimated that 100-150 students will be served in the first academic year. As those students advance through the program and additional students begin, it is conservatively estimated that 250-300 students per academic year across all relevant disciplines will be served. The initial cohort will begin taking the twelve required courses for the Certificate in their first year, then will branch out into electives related to their majors in their second year as new students begin the first year of the program. There are no unique needs anticipated. The program will be applicable to numerous majors across campus, as indicated by the**

widespread support for the RSST Initiative from various Departments, Schools, and Colleges.

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

- **Dr. Tommy Ike Hailey, Associate Professor of Anthropology and Archaeology, specializing in aerial photography, videography, and thermal imaging of archaeological sites, with 18 years of experience in data collection and processing for individual projects, for partner universities, and for the National Park Service in Arkansas, Georgia, Illinois, Kansas, Louisiana, Mississippi, Nebraska, North Dakota, Ohio, Oklahoma, Texas, and Washington.**
- **J.D. Cox, Adjunct Professor of Biology, Licensed Remote Pilot – 3 years experience; Remote Pilot Trainer, 1 year experience; ESRI ArcGIS Software – 5 years experience; ESRI ArcGIS Instructor – 3 years experience; Remote Data Collection, Orthoimagery Construction – 3 years experience.**

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

- **Dr. Hailey and Mr. Cox will teach the required Remote Systems Science and Technology introductory and advanced courses and the Preparation for FAA Part 107 Certification course. They will also provide instruction to other faculty members and assist in demonstrations and hands-on activities in other classes as needed.**
- **Dr. Billy Culver (Biology) and Dr. Dean Sinclair (Geography) will provide instruction in Geographic Information Systems.**
- **Professors in affiliated academic units (the School of Business, the Department of Biological and Physical Sciences, the Computer Information Systems Program, the Mrs. H. D. Dear and Alice Dear School of Creative and Performing Arts, the Department of Criminal Justice, History, and Social Sciences, the Department of Engineering Technology, the Department of English, Foreign Languages, and Cultural Studies, and the Department of Hospitality Management and Tourism) will provide instruction in the electives they have selected for their majors who are enrolled in the RSST Undergraduate Certificate Program.**

9. Provide a schedule for implementation and evaluation.

- **November 2019 – Submission of RSST Student Technology Fee Grant proposal;**
- **December 2019 – Submission of NSU RSST Undergraduate Certificate Proposal and New Course Proposals for RSST classes to Registrar to meet University deadline for January 2020 CRC meeting;**
- **January 2020 – Approval of NSU RSST Undergraduate Certificate Proposal by CRC; Proposal forwarded to Board of Regents for approval;**
- **February 2020 - Approval of NSU RSST Undergraduate Certificate Proposal by Board of Regents;**
- **Spring 2020 – Acquisition and installation of computer upgrades; acquisition of drones; begin faculty training on equipment use, data collection and processing, applications, limitations, and regulations concerning remote systems;**
- **Summer 2020 – Continue faculty training as needed; faculty research projects supported;**
- **Fall 2020 – Implementation of NSU RSST Undergraduate Certificate as an add-on option for students in any relevant major; initial offering of introductory RSST classes;**

- Spring 2021 – Continued recruitment to NSU RSST Undergraduate Certificate program; advanced RSST and FAA Part 107 Remote Pilot Exam Prep courses offered;
- Future academic years – continue to develop and grow NSU RSST Undergraduate Certificate program; add new classes and disciplines as needed.

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

The proposed computer upgrades and the aerial remote systems that will be acquired through the proposed Student Technology Fee Grant will have a life that exceeds the five year span mentioned in this section. The Department of Criminal Justice, History, and Social Sciences will maintain updates to the associated software.

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 requested equipment that will be either/or checkout to students or moved within the department, please provide a checkout/loan policy.

- **Kyser 206 classroom/computer lab – Electronic key-fob/button lock security is already in place, as are metal grates over the windows and the door. Times will be specified as ‘open lab’ times when students can use the lab to complete assignments (times may change each semester to accommodate class times).**

- **Kyser 107C – This room adjacent to the CJHSS conference room will be dedicated to the RSST Initiative for storage of equipment and, as the program develops, as a space for small classes and faculty training sessions. It currently has a key lock and is accessible only indirectly from the hallway and the CJHSS conference room via a small foyer. It remains locked throughout the day.**

- **All drones will be stored in a locked cabinet in Kyser 107C and must be signed out and signed back in in accordance with departmental policy. The CJHSS Equipment Sign-Out/In Checklist must be submitted by individual(s) requesting equipment and any equipment checkout must be approved by the authorized CJHSS representative before equipment is released. All equipment will be inspected upon checkout and again upon return (please see attached form).**

12. Does the department receive lab fees? If so, please explain the need for Student Technology Fee funds.

At present, the Department of Criminal Justice, History, and Social Sciences does not receive laboratory fees.

13. Attach a detailed budget.

Please see attached.

14. Attach two (2) letters of support for the project from the following individuals: the requesting department’s Dean, the appropriate Vice President, or for student request, the SGA President from the requesting campus.

Please see attached.



EQUIPMENT SIGN-OUT/IN CHECKLIST

Date of Request: _____

BORROWER INFORMATION

Name: _____

Department: _____

Address: _____

Status: Student _____ Faculty _____ Staff _____

Phone: _____

Cell: _____

Checkout Date: _____

Scheduled Return Date: _____

(If equipment is needed longer than expected, please notify CJHSS before scheduled return date)

Purpose: _____

	Item/Component	Description	Value
1			
2			
3			
4			

Approved by: _____

Date: _____

Request must be approved by authorized CJHSS representative before equipment is released

Borrower assumes all responsibility for equipment. Any damage or loss requiring repair and/or replacement will be paid for by the borrower.

Released by: _____

Date: _____

Received by: _____

Date: _____

TO BE COMPLETED BY AUTHORIZED CJHSS REPRESENTATIVE WHEN EQUIPMENT IS RETURNED

	Item/Component	Description	Value
1			
2			
3			
4			

Returned to and Inspected by: _____

Date: _____

**NSU REMOTE SYSTEMS SCIENCE AND TECHNOLOGY
2019 STUDENT TECHNOLOGY FEE GRANT BUDGET**

I. UPGRADE COMPUTERS IN KYSER 206

Vendor - Dell Computers - www.dell.com

Item	Cost Each	Per Computer	No. of Computers	Shipping	Total Cost
Dell Memory Upgrade - 8GB - 2Rx8 DDR3 UDIMM 1600MHz - Dell Part #A6994446	\$ 109.99	4	15	Free	\$ 6,599.40
VisionTek Radeon HD 6570 SFF - Graphics card - Radeon HD 6570 - 2 GB DDR3 - PCIe 2.1 x16 low profile - DVI, HDM	\$ 71.99	1	15	Free	\$ 1,079.85
TOTAL COMPUTER UPGRADES					\$ 7,679.25

II. AERIAL REMOTE SYSTEMS ACQUISITIONS

Vendor - DroneNerds - www.dronenerds.com

Item	Qty	Unit Price	Subtotal	Shipping	Total
DJI Mavic Mini Drone with Fly More Kit Combo	15	\$ 499.00	\$ 7,485.00	Free	\$ 7,485.00
DJI Mavic 2 Pro Drone with Smart Remote	1	\$ 2,199.00	\$ 2,199.00	Free	\$ 2,199.00
DJI Mavic 2 Enterprise Dual Drone with Smart Remote and Dual Camera - Digital and Thermal Imaging	1	\$ 3,850.00	\$ 3,850.00	Free	\$ 3,850.00
DJI Mavic 2 Enterprise Fly More Kit	1	\$ 469.00	\$ 469.00	Free	\$ 469.00
DJI Mavic 2 Pro Fly More Kit	1	\$ 439.00	\$ 439.00	Free	\$ 439.00
Hard Case for DJI Mavic 2 Pro	1	\$ 129.00	\$ 129.00	Free	\$ 129.00
Hard Case for DJI Mavic 2 Enterprise Dual	1	\$ 149.00	\$ 149.00	Free	\$ 149.00
TOTAL AERIAL REMOTE SYSTEMS					\$ 14,720.00

III. LOCKING CHARGING CABINET

Vendor - Engineer Supply - www.engineersupply.com

Item	Qty	Unit Price	Subtotal	Shipping	Total
Luxor 32 Laptop/Chromebook Charging cart with Timer - LLTP32-B	1	\$ 865.99	\$ 865.99	\$ 58.25	\$ 924.24
TOTAL LOCKING CHARGING CABINET					\$ 924.24

STAT Committee:

I have included a quote for new computers for this room.

the computers in the area are 6 years old and

the price difference is \$ 15,300.

Original grant \$ 23,323.49

w/ new computers - \$ 39,569.24


I. TOTAL COMPUTER UPGRADES	\$ 7,679.25
II. TOTAL AERIAL REMOTE SYSTEMS	\$ 14,720.00
III. TOTAL LOCKING CHARGING CABINET	\$ 924.24
TOTAL FUNDING REQUESTED	\$ 23,323.49




Savings \$3,151.20

Subtotal (75) \$5,728.05

Dell Contract Code: C000000010742
 Customer agreement number: -4400002525

Items	Quantity	Unit Price	Item total
 <p>Dell Memory Upgrade - 8GB - 2Rx8 DDR3 UDIMM 1600MHz</p> <p>Discounted unit price: \$79.99 Dell Contract Code: C000000010742 Manufacturer Part# : SNP66GKYC/8G Dell Part# : A6994446</p> <p>Estimated Ship Date 11/21/2019</p> <p>Premier discount</p>	60	\$129.99	\$7,799.40
			-\$3,000.00
			Item total: \$4,799.40

 <p>VisionTek Radeon HD 6570 SFF - Graphics card - Radeon HD 6570 - 2 GB DDR3 - PCIe 2.1 x16 low profile - DVI, HDMI</p> <p>Discounted unit price: \$61.91 Dell Contract Code: C000000010742 Manufacturer Part# : 901263 Dell Part# : AA520211</p> <p>Estimated Ship Date 11/22/2019</p> <p>Premier discount</p>	15	\$71.99	\$1,079.85
			-\$151.20
			Item total: \$928.65

Savings: \$3,151.20

Subtotal (75): \$5,728.05

Savings \$3,151.20

Subtotal (75) \$5,728.05

Ultrabook, Celeron, Celeron Inside, Core Inside, Intel, Intel Logo, Intel Atom, Intel Atom Inside, Intel Core, Intel Inside, Intel Inside Logo, Intel vPro, Itanium, Itanium Inside, Pentium, Pentium Inside, vPro Inside, Xeon, Xeon Phi, Xeon Inside, and Intel Optane are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

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NORTHWESTERN STATE COLLEGE OF ARTS AND SCIENCES

November 20, 2019

Dear Grant Selection Committee:

I am writing this letter in support of the NSU Remote Systems Science and Technology (RSST) Initiative grant proposal submitted by Dr. Tommy Hailey and his collaborators. This project is a campus-wide, interdepartmental, interdisciplinary effort spearheaded by the Department of Criminal Justice, History, and Social Sciences and the School of Biological and Physical Sciences. The ultimate goal of the RSST Initiative is to develop an undergraduate certificate that will prepare graduates to meet the demand for remote/drone pilots. The completion of the certificate can assist students seeking employment in the areas of Anthropology, Archaeology, Biology, Business, Computer Information Systems, Criminal Justice, Electronic Engineering Technology, Geography, Unified Public Safety and many others.

The purpose of this grant proposal is to upgrade the computers in the Kyser Hall Room 206 computer lab. This upgrade is necessary to ensure that the computer stations can meet the intensive data processing capabilities required in remote systems applications. Additionally, a small fleet of remote aerial vehicles are requested. These vehicles would be available to “check out” by professors for use in their courses as well as students working on individual projects/research activities.

I have had several meetings/conversations with those faculty, administrators, and industry partners involved in the planning of the RSST Initiative and its soon-to-be submitted certificate application. The project has a tremendous level of support from all stakeholders – both academic and industrial.

This grant application/proposal has my full support. It is exactly what Northwestern State needs to push our technologies into the future and provide our students with the opportunity to expand their skillset as they enter into the workforce. I trust that you will give this grant proposal every consideration as its principle investigator and accompanying collaborators work diligently to improve the student experience at Northwestern State University. If you have any questions regarding my recommendation or support, please do not hesitate to contact me.

Sincerely,

Francene J. Lemoine, Ph.D.
Interim Dean and Professor
College of Arts and Sciences
Northwestern State University of Louisiana
Natchitoches, LA 71497
Phone (318)357-5805
Fax (318)357-4255

DEDICATED TO ONE GOAL. **YOURS.**™



NORTHWESTERN STATE

UNIVERSITY OF LOUISIANA

Provost & Vice President for Academic Affairs

211 Caspari Hall | Natchitoches, LA 71497

Please accept this letter in support of the Student Technology Fee Grant proposal to provide support for the NSU Remote Systems Science and Technology Initiative, a campus-wide, interdepartmental, interdisciplinary effort that is being spearheaded by the Department of Criminal Justice, History, and Social Sciences and the Department of Biology and Physical Sciences.

The demand for individuals who are trained and certified as remote pilots (i.e., drone pilots) is predicted to increase exponentially within the next few years. This demand will result in countless opportunities for graduates in a wide range of disciplines offered at NSU, including Anthropology, Archaeology, Biology, Business, Computer Information Systems, Criminal Justice, Electronic Engineering Technology, English, Geography, Hospitality Management and Tourism, Industrial Engineering Technology, New Media and Journalism, and Unified Public Safety Administration.

The NSU RSST Initiative seeks to develop an undergraduate certificate that will prepare graduates to meet the demand for remote pilots not by offering a new major, but rather by developing an Undergraduate Certificate that can be added on to any existing major. In the RSST Undergraduate Certificate program, students will enroll in courses that offer instruction and hands-on training in remote systems operations and applications, as well as instruction in current and proposed drone legislation and preparing to pass the Federal Aviation Administration certification exam for remote pilots. The RSST Undergraduate Certificate proposal will be presented to the NSU Curriculum Review Council for approval at their January meeting, with the expectation that the approved proposal will be forwarded to the Board of Regents for consideration at the Board's February meeting. Upon approval by the Board of Regents, the RSST Undergraduate Certificate could be active as soon as the Fall 2020 semester.

In preparing for the full implementation of the RSST Initiative, the Department of Criminal Justice, History, and Social Sciences and the Department of Biology and Physical Sciences have been working collaboratively to pool their resources by combining their respective Introduction to Geographic Information Systems courses, and offering GIS courses in the CJHSS Student Technology Fee-funded computer laboratory in Kyser 206. In order to further this collaboration, the CJHSS Department has pledged to provide a software upgrade to the most recent version of ArcGIS software for Kyser 206, and Dr. Tommy Ike Hailey, as a part of his 2018-2019 Clyde M. Bostick Endowed Professorship, invested in the purchase of Agisoft MetaShape photogrammetry software for all of the computers in Kyser 206.

The importance of this Initiative has been recognized by academic and nonacademic departments across campus as well as by members of the NSU administration up to and including the President. The desirability and necessity of the Initiative has been acknowledged by administrative directors and faculty members from the School of Business, the Department of Biological and Physical Sciences, the Computer Information Systems Program, the Department of Criminal Justice, History, and Social Sciences, the Department of Engineering Technology, the Department of English, Foreign Languages, and Cultural Studies, and the Department of Hospitality Management and Tourism. These academic units have committed to supporting the RSST Undergraduate Certificate by designating classes for their majors to use as electives when the certificate becomes active, and several have agreed to allow their majors to utilize the RSST Undergraduate Certificate as a minor when a minor is required by their curricula, with the addition of other designated electives as needed.

The RSST Initiative has support from nonacademic departments on campus as well, including Athletics, Information Systems, Marketing and Branding, the NSU News Bureau, and NSU Police, as well as NSU affiliates LSMSA and the National Center for Preservation Technology and Training.

With the requested Student Technology Fee grant funding, the RSST Initiative seeks to upgrade the computers in Kyser 206 to bring them up to date for the intensive data processing capabilities required in remote systems applications, and to acquire a small fleet of remote aerial vehicles that can be checked out by professors for use in their classes and by students for individual projects. The Department of Criminal Justice, History, and Social Sciences will continue to support the Initiative by providing the use of the Kyser 206 computer lab for classes and Kyser 107C as a dedicated secure storage facility for the requested remote aerial vehicles.



NORTHWESTERN STATE

UNIVERSITY OF LOUISIANA

Provost & Vice President for Academic Affairs

211 Caspari Hall | Natchitoches, LA 71497

The proposed RSST Undergraduate Certificate has a groundswell of support already from departments across campus, and its implementation will be an invaluable asset to our students. The funds requested through this Student Technology Fee Grant will make it possible to move the RSST Initiative ahead in its formative stages and will demonstrate the university's continued support for placing our students at the cutting edge of technology in their respective fields.

Sincerely,

A handwritten signature in black ink, appearing to read "Greg A. Handel", written over the word "Sincerely,".

Greg A. Handel, D.M.A.
Provost and Vice President for Academic Affairs

NEW COMPUTERS



A quote for your consideration.

Based on your business needs, we put the following quote together to help with your purchase decision. Below is a detailed summary of the quote we've created to help you with your purchase decision.

To proceed with this quote, you may respond to this email, order online through your Premier page, or, if you do not have Premier, use this **Quote to Order**.

Quote No.	3000050773743.1	Sales Rep	Blake Masters
Total	\$23,925.00	Phone	(800) 456-3355, 5131681
Customer #	28657231	Email	Blake_Masters@Dell.com
Quoted On	Nov. 21, 2019	Billing To	ACCOUNTS PAYABLE
Expires by	Dec. 21, 2019		NORTHWESTERN STATE UNIV
Deal ID	13937921		PO BOX 5655
			ST DENIS HALL
			NATCHITOCHEs, LA 71497-0001

Message from your Sales Rep

Please contact your Dell sales representative if you have any questions or when you're ready to place an order. Thank you for shopping with Dell!

Regards,
Blake Masters

Custom Fields:

State Contract: 70137

Product	Unit Price	Qty	Subtotal
OptiPlex 7470 AIO MLK	\$1,595.00	15	\$23,925.00
Subtotal:			\$23,925.00
Shipping:			\$0.00
Non-Taxable Amount:			\$23,925.00
Taxable Amount:			\$0.00
Estimated Tax:			\$0.00
Total:			\$23,925.00

Special lease pricing may be available for qualified customers and offers. Please contact your DFS Sales Representative for details.

		\$1,595.00	Qty 15	Subtotal \$23,925.00
OptiPlex 7470 AIO MLK				
Estimated delivery if purchased today: Dec. 16, 2019 Contract # C000000010742 Customer Agreement # -4400002525				
Description	SKU	Unit Price	Qty	Subtotal
OptiPlex 7470 All-in-One XCTO	210-ASEV	-	15	-
Intel Core i7-9700 (8 Cores/12MB/8T/3.0GHz to 4.7GHz/65W); supports Windows 10/Linux	338-BRTC	-	15	-
Win 10 Pro 64 English, French, Spanish	619-AHKN	-	15	-
No AutoPilot	340-CKSZ	-	15	-
No Productivity Software	630-AAPK	-	15	-
32GB 2X16GB DDR4 2666MHz Non-ECC	370-ADZK	-	15	-
No Out-of-Band Systems Management	631-ACCY	-	15	-
No Additional Hard Drive	401-AADF	-	15	-
No Wireless LAN Card	555-BBFO	-	15	-
No Wireless Driver	340-AFMQ	-	15	-
7470 AIO 23.8" FHD 1920x1080 IPS Non-Touch Anti-Glare, IR Camera, Discrete Graphics, Platinum PSU	329-BEIX	-	15	-
Dell KB522 Business Multimedia Keyboard for US (English)	580-AFWW	-	15	-
Black Dell MS116 Wired Mouse	275-BBBW	-	15	-
No Cable Cover	325-BCZQ	-	15	-
No Additional Cable Requested	379-BBCY	-	15	-
Not selected in this configuration	817-BBBC	-	15	-
OptiPlex All-in-One Basic Stand, 7470 All-in-One	575-BBRC	-	15	-
SupportAssist	525-BBCL	-	15	-
Dell(TM) Digital Delivery Cirrus Client	640-BBLW	-	15	-
Dell Client System Update (Updates latest Dell Recommended BIOS, Drivers, Firmware and Apps)	658-BBMR	-	15	-
Waves Maxx Audio	658-BBRB	-	15	-
Dell Developed Recovery Environment	658-BCUV	-	15	-
Infrared camera driver for OptiPlex 7470/7770 AIO	658-BEHF	-	15	-
Software for OptiPlex 7470/7770 AIO	658-BEHG	-	15	-
OS-Windows Media Not Included	620-AALW	-	15	-
ENERGY STAR Qualified	387-BBLW	-	15	-
Dell Data Protection Encryption Personal Digital Delivery	421-9984	-	15	-
Dell ProSupport for Software, Dell Data Protection Encryption Personal, 1 Year	954-3455	-	15	-
Non-Touch LCD, Dell OptiPlex AIO	391-BBDM	-	15	-
Dell Developed Recovery Environment	658-BCUV	-	15	-
No FGA	817-BBBB	-	15	-
NVIDIA GeForce GTX 1050, 4GB	490-BEHE	-	15	-
M.2 256GB PCIe NVMe Class 35 Solid State Drive	400-BEYE	-	15	-

Thermal Pad	412-AALV	-	15	-
Screw for M.2 SATA SSD	773-BBBJ	-	15	-
No External ODD	429-ABGY	-	15	-
Setup and feature guide for 7470AIO	340-CMLL	-	15	-
Intel(R) Core(TM) i7 Processor Label	340-CKVM	-	15	-
Safety/Environment and Regulatory Guide (English/French Multi-language)	340-AGIK	-	15	-
No UPC Label	389-BCGW	-	15	-
TPM Enabled	329-BBJL	-	15	-
No Optane	400-BFPO	-	15	-
US Order	332-1286	-	15	-
NO RAID	817-BBBN	-	15	-
Desktop BTO Standard shipment	800-BBIO	-	15	-
No Intel Rapid Start or Smart Connect	409-BBCF	-	15	-
No Anti-Virus Software	650-AAAM	-	15	-
FCC Declaration of Conformity Label	389-DPBE	-	15	-
MOD,LBL,REG,FSJ,GS,7470	389-DPYO	-	15	-
Package MOD for DAO Fixed/HAS config or no stand config	340-CEJU	-	15	-
Shipping Label for DAO	389-BBUU	-	15	-
System Power Cord (Philippine/TH/US)	450-AAOJ	-	15	-
Dell Limited Hardware Warranty Plus Service	997-6870	-	15	-
ProSupport Plus: Accidental Damage Service, 5 Years	997-6942	-	15	-
ProSupport Plus: Keep Your Hard Drive, 5 Years	997-6952	-	15	-
ProSupport Plus: Next Business Day Onsite 5 Years	997-6962	-	15	-
ProSupport Plus: 7x24 Technical Support, 5 Years	997-6982	-	15	-
Thank you for choosing Dell ProSupport Plus. For tech support, visit www.dell.com/contactdell or call 1-866-516-3115	997-8367	-	15	-

Subtotal:	\$23,925.00
Shipping:	\$0.00
Estimated Tax:	\$0.00
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Total:	\$23,925.00