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NEWSLETTER

December
2021

Chemistry and Physics Department, Oxendine Science Building – Room 3101, Pembroke, NC 28372
chem_phy@uncp.edu 910/521-6247

UNCP Rocket Team – November 20, 2021

Bayboro, NC



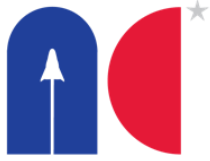
Dr. Steven Singletary
Team Advisor

On November 20th, Dr. Singletary and four students: (Caleb Locklear, Ben Savage, Alex Velarde, and Micah Ferguson) attended the rocket launch in Bayboro, NC. Along with UNCP, three other schools were present: NC A&T, NC State, and NC School of Science and Math.

It requires a lot of effort to get the students together to do it. Let us take a minute and appreciate him for all his effort and research he is doing about Rocket Launching. If you happen to see the following students: Caleb Locklear, Ben Savage, Alex Velarde, and Micah Ferguson, please let them know our appreciation.

The team will return on December 18th to do another launch. Great job, Steven and to your Rocket Team!

The next monthly on-campus launch will be December 3, 2021 at the ROTC athletic field.



North Carolina Space Grant

NC Space Grant Announces 2021-22 Team Experience Award Winners



Above: The University of North Carolina at Pembroke's Rocket Team will compete in the NASA First Nations Launch Competition.

UNCP Rocket Team members are (kneeling) Sydney Allen, Alexis Velarde and Caleb Locklear. (Standing) Eric Schwartz, Mace Velarde, Micah Ferguson and Benjamin Savage. Not pictured: Chynna Eubanks.

NC Space Grant is excited to announce the winners of this year's [Team Experience and Competition Awards](#), which help undergraduate and graduate teams participate in competitions either sponsored or sanctioned by NASA or other STEM-related organizations. Competitions are in the fields of engineering, science, technology and/or mathematics (STEM), and complement the academic studies of the team members. These opportunities help students develop the skills and knowledge base, as well as build the strong teamwork capabilities, necessary to succeed in STEM careers in the future. Competitions must provide students with hands-on experiential learning opportunities related to one or more of NASA's Mission Directorates: aeronautics research; human exploration and operations; science; and space technology.

<https://ncspacegrant.ncsu.edu/2021/12/02/2021-2022-team-experience-award-winners/>

This year, NC Space Grant is sponsoring 11 teams.

Congratulations to the follow teams!

Campbell University, [NASA Human Exploration Rover Challenge \(HERC\)](#)

Fayetteville State University, [NASA MUREP Innovation Tech Transfer Idea Competition \(MITTIC\)](#)

Lenior-Rhyne University, [Spaceport America Cup](#)

North Carolina State University, [AIAA Design-Build-Fly](#)

NC State University, [AUVSI International Student Unmanned Aerial Systems \(UAS\) Competition](#)

NC State University, [AUVSI Robosub Competition](#)

NC State University, [NASA Student Launch](#)

University of North Carolina at Asheville, [NASA Lunabotics](#)

University of North Carolina at Charlotte, [NASA Lunabotics](#)

UNC Charlotte, [NASA Student Launch](#)

University of North Carolina at Pembroke, [First Nations Launch Competition](#)

NC Space Grant: Team Experience and Competition Award



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UNCP 2021-22
Rocket Team Propos

NC Space Grant awarded the UNCP Rocket Team a 5k grant to participate in the First Nations Launch Competition in April 2022. Dr. Steven Singletary's grant proposal is attached above as it will include a lot of helpful details for a media announcement.

Dr. Singletary's work with the Rocket Team is a huge asset to our Applied Physics program, and we want to support and promote them as much as possible! Dr. Ashley Allen gave a tour to a prospective student just last week who was interested in cybersecurity and applied physics, and his face absolutely lit up when she told him about the Rocket Team.

Dr. Singletary, thank you for the investment you make in this program and for creating this space of innovation, inclusion, and belonging for our students.

Thank you, Dean Richard Gay and Dr. Siva Mandjiny, for your support of this program!

UNCP Rocket Team to Compete in National Rocket Competition

The UNC Pembroke Rocket Team has been awarded \$9,000 in grants and will participate in the First Nations Launch (FNL) National Rocket Competition April 22-24.

Read more: <https://www.uncp.edu/news/uncp-rocket-team-compete-national-rocket-competition>

NC-ACS Info



Dr. Meredith Storms, Ph.D.
Professor of Chemistry

Dr. Meredith Storms is working with Khandi Cooper at the Greater Fayetteville Adventist Academy through the ACS Science Coach program for this academic year. Ms. Cooper is working hard to raise funds for their school through grant writing. Through the science coach program, she has received \$500 to purchase supplies for their lab. In our meeting last week, she mentioned that she is still in need of glassware and equipment to enrich the lab environment for her students. She has provided a list of needed items and ideal supplies our school needs for the Science Lab. (please see attached).



GFAA Science Lab
.pdf

Chemistry Minor Approved



Dr. Paul A. Flowers, Ph.D.
Professor of Chemistry

Great News from Dr. Flowers:

We are at the last stage of our “Chemistry Minor” to get it approved by the Faculty Senate today, December 1, 2021. I am sure that will be approved, and we are confident about it.

Let us take a minute and appreciate Dr. Flowers for all his effort to put together the “Chemistry Minor” and get it approved through all the stages.

Dr. Flowers, we appreciate you for all you do.

“After the Senate meeting, our proposal was considered and passed unanimously...”

Congratulations Paul.

Virtual 3+2 Open House



Dr. Bill Brandon, Ph.D.
Professor of Physics

The virtual open house, hosted by Krystin Woodall (Associate Director of Undergraduate Admissions), took place Thursday evening on December 2, 2021. The event was attended by approximately twenty prospective students and included formal presentations by the College of Arts and Sciences Dean, Dr. Richard Gay, and Assistant Dean, Dr. Ashley Allen, in addition to the Director of Student Housing, Paul Posener, and the Associate Director of Financial Aid, Courtney McGirt. Informal presentations were presented by the 3+2 Engineering Coordinator, Dr. Bill Brandon.

Thank you, Dr. Brandon. Your service is greatly appreciated.

Great News



Dr. Meredith Storms, Ph.D.
Professor of Chemistry

Dr. Meredith Storms' husband, Billy, finished his classes over the summer and will graduate Friday, December 3, 2021, with his master's degree from Seminary. Billy will be recognized during a virtual commencement at an in-person ceremony in Texas. This is a great milestone for Billy and the Storms family. Congratulations, Billy.

Chemistry & Physics 2021 Fall Graduates



The Department Graduates graduating in December are ***Tristan Shacoy Sammons*** and ***Angel A. Williams***. Bless you both to have a great career and future in your lives. Job well done!

Congratulations!

Chemistry and Physics Graduate Drop-in Social

The 2021 Fall Graduate Drop-in Social was December 3, 2021. Graduates randomly stop by the office to enjoy a Braves Tailgate buffet lunch catered by Sodexo. The faculty and staff met briefly with the graduates to give their wishes and congratulations. The graduates for this semester are: **Tristan Shacoy Sammons** and **Angel A. Williams**. May your future be filled with happiness and many spectacular accomplishments. Job well done!













We appreciate both Carolyn and Hope for the wonderful food they served during our Graduation Social. The food was simply great.
Thanks, Carolyn and Hope, for all you do for the department. We appreciate you as always.

Braves Box and GSE Chemistry Honor Society



The Gamma Sigma Epsilon Chemistry Honor Society is collecting items for the Braves Box program which is sponsored through the UNCP Office of Community and Civic Engagement. The box will go to a child at Rex Rennert Elementary School (not too far from our campus). The box needs to contain at least 40 items which the child will use so they have food over the Christmas break as well as school supplies as they begin a new semester.

We would like to open this up to the Chemistry and Physics department to donate as well. Supplies can include items such as Ravioli, Ramen Noodles, granola bars, mac-and-cheese, crackers, fruit snacks, fruit cups, applesauce, or other easy-to-prepare kid-friendly foods as well as school supplies (composition books, markers, crayons, and so on).

If you would like to contribute, the box is in Dr. Meredith Storms' office. **All contributions are due no later than Thursday, December 2 at noon**, so that we have time to make sure the box is full, and we can get it delivered on time.

Great Work by Dr. Meredith Storms and Mrs. Felicia Scott

Dr. Meredith Storms and Mrs. Felicia Scott are doing great things for our community in taking care of them. I appreciate both from the bottom of my heart for their services in collecting food and supplies. Great Community Service. We appreciate you both. Thank you!



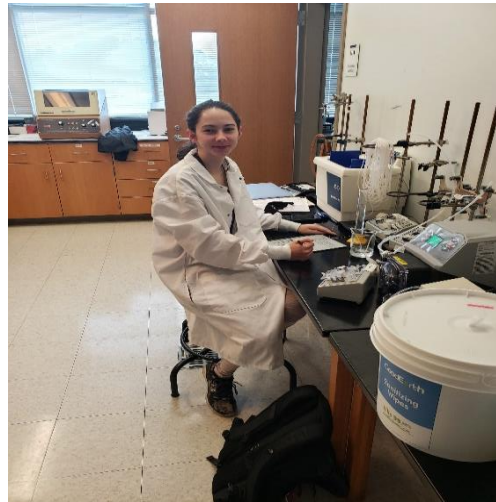
Meredith Storms, Ph.D.
Professor of Chemistry
Faculty Sponsor, Gamma Sigma Epsilon



Felicia B. Scott, M.S.
Senior Lecturer

WORK STUDY STUDENT

The department appreciates the needed help of our work-study student, **Kathryn Durden**. We greatly appreciate your time and hard work. Thank you!!!



Housekeeping: Jessica Lowery

The department appreciates the hard work you do by keeping the third floor clean. We greatly appreciate your time. Thank you, Jessica!

