

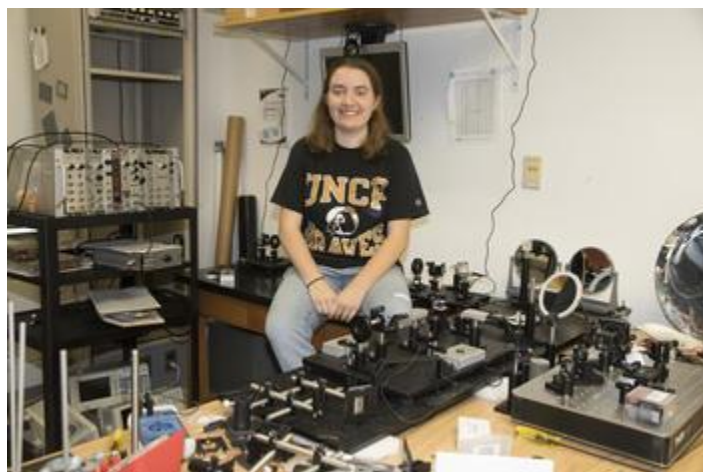
238	14	12	31
U	N	C	P
92	7	6	15

# NEWSLETTER

March  
2021

Chemistry and Physics Department, Oxendine Science Building – Room 3101, Pembroke, NC 28372  
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## Students News



**Dana E. Lamberton:** our first UNCP graduate obtaining the “dual degree” on the ‘3 + 2’ program with NCSU. She will be graduating from NCSU completing the BS Mechanical Engineering degree this semester. She will be getting her dual degree from UNCP.

**Congratulations!**

**Candace Locklear:** attending Pfeiffer University (NC) for Physician Assistant Program.

## ***UNC System/ChemSpine & Adaptive Learning***



**Meredith Storms,  
Ph.D.**

Associate Professor / Faculty  
Sponsor,  
Gamma Sigma Epsilon

Over the summer 2020, Dr. Meredith Storms worked in collaboration with team members from the University of North Carolina at Greensboro, Appalachian State University, and East Carolina University to collect resources, which could be used to digitally enhance chemistry II. While these resources are geared toward online instruction, they can also be used to enhance a hybrid or face-to-face course as well.

To expand on the project, the UNC System's office for Digital Learning aimed to bridge the gap in terms of personal engagement in the online environment. As such, the office for Digital Learning began the development of six adaptive learning courses. Dr. Storms joined the chemistry II team in collaboration with faculty across the UNC System and the UNC Charlotte's Center for Teaching and Learning to develop adaptive courseware, which will guide students through the course material and practice problems and then, circle students back to content in a more personalized manner. This project was moved forward during the fall semester.

While the adaptive courseware is designed for an online course, Dr. Storms is piloting the adaptive course in her face-to-face course this semester. Faculty at other UNC institutions are piloting the adaptive courseware in their online courses.

The end goal is to improve student learning in chemistry II. An added benefit may be that the cost for course materials is reduced since an OpenStax textbook is utilized (and, authored by one of our UNCP chemistry faculty, Dr. Flowers).

**Congratulations!** Thank you, Dr. Storms, for your work and service in this regard.

You are an excellent representation of the profession and of UNCP.

Your work is going to be very useful, not only for our department; but, also for all the entire NC Universities.

Thank you again for your leadership, continued good and excellent work.