



## *A Message from the Dean*

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This summer, more than 30 Asbury students participated in internships and undergraduate research experiences. These students represent all of the programs in the School of Science, Health & Mathematics. They will work in Ohio, Oklahoma, Pennsylvania, Tennessee, Texas and Virginia, as well as in Central Kentucky. Just as exciting are the number

of Asbury alumni who have helped us develop a growing network of summer experiences for Asbury students.

The School of Science, Health & Mathematics is officially 1 year old, and it was a busy first year. Three new majors were approved this year: Equine Science, Adventure Education and Leadership, and Chemical Engineering. A new online Public Health major launched this Fall. We have increased the number of early acceptance agreements for nursing and medical schools, and we hope to announce a similar program in pharmacy soon. We were thrilled to announce that Dr. Ben Brammell, Associate Professor of Biology, and Dr. Dan Strait (English) were named Lilly Foundation Fellows and celebrate their excellence in their academic disciplines. The Police Mount Program, led by Prof. Harold Rainwater '69, sold 13 horses to police units from across the United States and Canada. These horses are trained by Asbury students in the Equine Studies program. Asbury students competed in the Math Modeling Competition for the 32nd-consecutive year with one team receiving meritorious recognition, placing them in the top-eight percent of all national and international teams. These are just a few of many highlights during this year.

We have much to celebrate. We are blessed to have so many faculty, students and alumni participating in the continued growth of the School of Science, Health & Mathematics.

## *Math Majors are "Model Students"*

During the Consortium for Mathematics and its Applications (COMAP) Mathematical Contest in Modeling, Asbury Math students spent four days diligently solving equations. Their hard work paid off, with one Asbury team receiving a Meritorious score, putting them in the top-eight percent of all teams. Only one percent of the teams that competed in this year's Math Modeling Contest were from American universities, with 11,262 teams competing in total. Asbury's Meritorious team was comprised of freshmen Jahred Hull '22, Eleni Buss '22 and Virginia Hallman '22.



## ALUMNI SPOTLIGHT:

### *Dr. Corey Winton '04*



Winton graduated with a B.A. in Applied Mathematics, receiving his M.A. and Ph.D. from North

Carolina State University. Currently, he works as the director of financial solutions at Fidelity Investments. He has also worked for the U.S. Army Corps of Engineers analyzing groundwater flow and has worked with algorithms and analysis. Winton says that one of the things he appreciates most about Asbury is the "casual infusion of faith and profession" he saw from professors. As an analytical person, "I find the advances of science and mathematics to be exciting as they point to an exceptionally ordered (and yet, sometimes chaotic) universe — and that points me to an ordered and intentional Creator." He points out the areas of machine learning and artificial intelligence as particularly exciting in his field, noting that both can be problematic, as faulty algorithms for companies like Amazon demonstrate. However, both can also be used for good as in his workplace where algorithms are used to help people make good financial decisions.

# DEPARTMENT HIGHLIGHTS

## *Students Serve Through Kids' College*

Excited shrieks and belly laughs abounded in the Hamann-Ray Science Center as Asbury welcomed more than 200 kindergarten through eighth grade students for Kids' College, an annual science event. Hosted by Asbury's chapter of Sigma Zeta, a national math and science honors society, Kids' College brought science to life for elementary and middle school students as they played scientist for a day, participating in hands-on chemistry experiments, watching physics demonstrations and getting up-close views of plants and animals in the biology lab.

## *Math Night Explores Literary Connections*

Math and fun go hand-in-hand during Asbury's annual Math Night, an event designed to introduce elementary, middle and high school students to new math concepts. The April event was hosted by math education students and Dr. Cheryll Crowe '03 Johnson, chair of the Math Department, with 81 students from grades K-12 in attendance. This year's Math Night was themed "Math & Literature" and made space for students to explore the connection between the two disciplines. One activity included analyzing word play and calculating percentages for a variety of elements in poetry.

For more information about the School of Science, Health and Mathematics, visit:

[asbury.edu/science-health-math](http://asbury.edu/science-health-math)

For upcoming events, visit:

[asbury.edu/calendar](http://asbury.edu/calendar)

To update your contact information or to share a class note, please contact the Alumni Office:  
[alumni@asbury.edu](mailto:alumni@asbury.edu)



FACULTY SPOTLIGHT:  
*Dr. Cheryll Crowe '03 Johnson*

Dr. Johnson, chair of Asbury's Math Department, teaches Mathematics in the School for Science, Health, and Mathematics. In addition to classroom work, she recently prepared a group of students to make a trip to Guatemala, partnering with Hope for Tomorrow. The Math Department trained a group of students in professional development focusing on instructing elementary school teachers. This group then traveled during spring break and put into practice what they had been studying during the semester. Johnson is also working on new research exploring the implementation of Christian practices in the Math foundations course at Asbury. Her focus is on charitable reading in STEM courses. Johnson loves incorporating her faith into the classroom. The integration of Christian practices in the STEM field is particularly interesting for her, and she recognizes the great need for prayer and mentorship for students, in an environment that encourages their journey toward holiness, as they graduate from Asbury and move toward employment.



STUDENT SPOTLIGHT:  
*Alexis Ruffing '20*

Ruffing is a biochemistry major, taking challenging courses that inspire her to be the best student possible. However, what is more valuable to her is how her professors challenge her personally.

This summer, she is working as a research intern at the University of Kentucky College Of Medicine in the Department of Surgery and Transplant, an opportunity only available to Asbury students at the undergraduate level. Following this internship and her senior year at Asbury, she plans to attend medical school. When asked how our alumni could pray for her, she said, "As I have begun the medical school application process, it has been very easy to get overwhelmed...Please pray for my peace, perseverance and good-standing in the eyes of the review boards that will be receiving my applications."

## FACT:

This year, more than 30 students from the School of Science, Health & Mathematics will serve as research interns for companies such as Avanti Lipids, the United States Air Force, Smith's Lake, Proactive Worldwide, Eppley and more.