

GRADUATION

This academic year we graduated five of our undergraduate math majors and two graduate math majors. In the fall of 2021 the following math majors graduated with B.S. degrees in mathematics: Patrick Bartol, Angus Bryant, Madison Pearson, and Rylan Smith. Patrick and Angus are continuing their education in the TN Tech Department of Mathematics and pursuing master's degrees.

Jacob Copeland, one of our graduate assistants, received his master's degree in mathematics during the fall commencement.

This semester, math major Connor Pinson is graduating with a B.S. degree in mathematics and Sydney Clere, one of our graduate assistants, is graduating with her M.S. degree in mathematics.

Sydney was also selected as the winner of the Stanley Dolzycki Memorial Award and the Math Graduate Teaching Award for spring 2022. In addition, she successfully defended her thesis titled, "An Introduction to Wavelets and Multiresolution Analyses with an Application to Digital Signal Processing." **Way to go Sydney!** Special thanks go out to her advisor, Associate Professor Amy Chambers, for her assistance in helping Sydney achieve her goals.

Congratulations to you all and may you have bright futures!

MATH CLUB

The Math Club had another busy semester, meeting once a month to discuss various mathematical topics. At their last meeting of the year, new officers were elected for the 2022-2023 academic year.

New officers are: President, Blaine Sweider and Vice-President, Meredith Hall.

NEW MATH CONCENTRATIONS

The Math Department has created four new concentrations in the Mathematics B.S. Degree.

The currently existing tracks (Pure Mathematics, Applied Mathematics, Statistics, and Actuarial Mathematics) will be elevated to the new concentrations (Pure Mathematics, Applied Mathematics, Statistics and Data Science, and Actuarial Science).

Most of the curricula in the new concentrations correspond to the current tracks. The significant changes are listed below:

Pure Mathematics. Two pure mathematics sequences (MATH 4110-4120 Advanced Calculus I-II and MATH 4010-4020 Modern Alf-8 (ci0 M)-1 (ode)1.b(t34 0 T 33 d [(w)2

significant change includes the additional courses (27 hours) from Computer Science, CSC 1300, 1310, 2220, 2310, 3300, 4220, and 4260. MATH 4993 Mathematical Research (3 credit hours) will be added as a capstone course.

Actuarial Science. Three applied mathematics sequences (MATH 3070-3080 Statistical Methods I-II, MATH 4470-4480 Probability & Statistics I-II, and MATH 4550-4560 Mathematics of Investment I-II) are required. In addition, students must complete at least one sequence from the pure mathematics sequence list. The significant change is the requirement of a Minor in Business (21 hours) consisting of ECON 2010-2020, ACCT 3720, BMGT 3510, MKT 3400, FIN 3210, and LAW 3810.

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is recognized at the Faculty Awards Recognition Reception in the fall, and will also be recognized in the spring Commencement Ceremonies. **Outstanding!**

Congratulations on your award and keep up the good work!

VICKIE'S NEW ADVENTURE

Most of you know who Vickie Mayberry is as she worked in the Math Department for 32 years. If you had a problem, you would go to Vickie because she had the knowledge and experience to solve it.

Well, now you will have to go to the College of Arts and Sciences Dean's Office to find Vickie. On October 15, 2021, Vickie officially became the Administrative Associate for the Dean and moved to Henderson Hall room 208. Congratulations Vickie! We truly miss having you in the math office, and we wish you well in your new job.

Associate Professor Brian M. O'Connor asked Vickie a few questions about her time in the Math Department.

BMOC: I know you grew up in the Upper Cumberland and came to Tennessee Tech. Tell us about that.

VM: I was the first of seven to graduate from high school (Alvin C. York Institute 1980) from Jamestown, TN. I walked upon the campus of Tennessee Tech as a poor country girl and was housed in White Hall dormitory with two wonderful sophomore girls from Nashville, TN. We stayed roommates for two years until I became a Resident Advisor my Junior Year.

BMOC: When did you come to the Math Department?

VM: I came to the Math Department in May 1989 from Records and Registration where I only worked part-time.

BMOC: Did you have jobs before that?

VM: Why yes, I married my husband Ronnie in August of 1984 before I finished school and I worked at Kroger part-time for over a year. Then I went to work full-time at Aqua Tech (prewash factory for denim) and stayed there for a year and a half. While at Aqua Tech I knew that I had to get back into school and finish my degree so I stopped working and went back to school full

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Department. He remained Department Chair until August of 2020 when he took the Interim Associate Dean's position in the College of Arts and Sciences. Michael Allen stepped in as Interim Chair when Allan Mills left.

