

Rebecca Miller

rebecca.miller-1@ou.edu

EDUCATION:

Aug 2012 – Present, University of Oklahoma, PhD

Norman, OK

- Doctorate in Mathematics (expected to graduate May 2018)
- Research Interests in Algebra

Aug 2010 – May 2012, University of Central Oklahoma, B.S.

Edmond, OK

- Bachelor's Degree in Mathematics
- Emphasis in Pure Mathematics
- Research Interests in Number Theory, Algebra, and History of Mathematics

RESEARCH EXPERIENCE:

Sep 2010 – Nov 2010, University of Central Oklahoma

Edmond, OK

Cryptography

Advisor: Dr. Lavinia Ciungu, Assistant Professor

Jun 2011 – Aug 2011, Michigan State University

East Lansing, MI

A Generalized Fibonacci-Type Polynomial

Advisor: Dr. Aklilu Zeleke, Associate Professor

Sep 2011 – May 2012, University of Central Oklahoma

Edmond, OK

The Effects of Varying Conditions on a Fibonacci-Type Polynomial Sequence

Advisor: Dr. Kristin Karber, Associate Professor

Aug 2011 – May 2012, University of Central Oklahoma

Edmond, OK

To be Woman or not to be: “The Struggles of Women Mathematicians and How It has Impacted Mathematics”

Advisor: Dr. Charlotte Simmons, Associate Dean

AWARDS/HONORS/RECOGNITION:

- Louis Stokes-Oklahoma Alliance for Minority Participation (LS OKAMP-SMET) Scholarship, (University of Central Oklahoma)
- Research, Creative, & Scholarly Activities Grant, (University of Central Oklahoma)
- Mitchell Scholarship, (University of Central Oklahoma)
- Dean's Honor Roll, (University of Central Oklahoma)
- President's Honor Roll, (Southern Union Community College)
- Presidential Scholarship, (Southern Union Community College)
- Valedictorian High School Graduate, (Eastwood Christian Academy)

PROFESSIONAL MEMBERSHIPS:

- University of Oklahoma Graduate Student Senate, Senator and Ways & Means Committee Member
- University of Oklahoma Mathematics Graduate Student Association, Secretary
- Mathematical Association of America
- Gamma Beta Phi Honor Society
- University of Central Oklahoma Student Veterans of America Chapter, Vice President and Charter officer
- University of Central Oklahoma Math Club, President
- Phi Theta Kappa

WORK EXPERIENCES:

Aug 2012-Present, University of Oklahoma

Teaching Assistant

- Taught College Algebra (MATH 1503) to a class of 33 students in Fall 2012.
- Taught Trigonometry (MATH 1523) to a class of 38 students in Spring 2013.

Aug 2011 – May 2012, University of Central Oklahoma, Student

Research Assistant

- Proposed and maintained a Research, Creative, & Scholarly Activities Grant
- Collected and organized data and literature on selected research topic
- Applied and approved by the Institutional Review Board (IRB) to interview current mathematicians across the nation
- Prepared presentations and bulletins on research topic to spread awareness and better equip current and future mathematicians