

# Janice Burrows

## Curriculum Vitae

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### Teaching Experiences

- 2017–current **University of Alabama at Huntsville**, Lecturer, Intro to Linear Algebra Course Coordinator, Student Advisor for Math Majors, Mathematical Sciences Department Newsletter Editor.
- 2016–2017 **Arab High School**, AP Mathematics Instructor, Secondary Mathematics Teacher.
- 2012–2016 **Cullman High School**, AP Mathematics Instructor, Math Team Coach, Secondary Mathematics Teacher, Professional Development Coordinator, Curriculum Developer, Mu Alpha Theta Sponsor, National Honor Society Sponsor.

### Courses Taught

- 2017-2021 **University of Alabama at Huntsville**, Precalculus Algebra, Precalculus Algebra L, Calculus A, Calculus B, Calculus C, Introduction to Linear Algebra.
- 2016-2017 **Arab High School**, AP Calculus AB, AP Preparatory, Geometry.
- 2016-2017 **Cullman High School**, AP Calculus AB, Dual-Enrollment Calculus I, Comprehensive Math Team, Pre-AP Geometry Math Team, Honors Geometry, Geometry B, Algebra I, Algebra A.

### Education

- 2012 **M.S. in Education**, Major: *Mathematics*, GPA: 4.0/4, Samford University, Birmingham, Alabama, United States.
- 2003 **B.S. in Business Administration**, Major: *Marketing*, GPA: 3.7/4, University of Alabama, Tuscaloosa, Alabama, United States.

### Graduate Math Credits

- MATH 540 *Advanced Perspectives in Calculus*, 3 hours, **University of Alabama**
- MATH 696 *Mathematics Communication Technology*, 3 hours, **Texas A&M University**
- MATE 540 *Foundations of Analysis*, 4 hours, **Samford University**
- MATE 530 *Abstract Algebra for Teachers*, 4 hours, **Samford University**
- MATE 560 *Discrete Mathematics*, 4 hours, **Samford University**
- CSE 566 *Improving Mathematics Instruction*, 3 hours, **University of Alabama**

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## Certificates

- 08/02/2020 **Quality Education Practices Online (QEPO)**, *Topics mastered include best practices in course technology, design and layout, content and activity development, and course interaction.*
- 6/25/2014–6/30/2019 **Class A Secondary (06A), Mathematics (015)**, *TCH Number: JMB-0099-7464.*
- 11/08/2012–06/30/2014 **Special Alternative (SBA), Mathematics (015)**, *TCH Number: JMB-0099-7464.*

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## Professional Service

- 2020–current **Mathematical Sciences Department Student Advisor**, University of Alabama at Huntsville.
- 2019–current **Intro to Linear Algebra Course Coordinator**, University of Alabama at Huntsville.
- 2019–current **Mathematical Sciences Department Newsletter Editor**, University of Alabama at Huntsville.
- 2015–2017 **AP Calculus Mock Exam Reading**, A-Plus College Ready.
- 2014–2016 **Discrete Mathematics Course Development**, Alabama Department of Education.
- 2012–2015 **College and Career Standards Implementation Team**, *District Representative, CCRS .*
- 2012–2015 **Powerful Conversations Network, Regional Team Member**, Alabama Best Practices Center.

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## Course Projects

- **Intro to Linear Algebra, Spring/Summer 2020**  
*Online Course Development:* This project involves development of a course template for department use for Intro to Linear Algebra. The structure of the course is based on weekly modules and includes varied, engaging weekly activities.
- **Intro to Linear Algebra, Spring/Summer 2021**  
*Collaborative Learning Project:* This project involves development of collaborative activities for classroom use. These problem based activities engage students in a weekly lab assignment. The goal is to increase learning outcomes as well as strengthen student-to-student connections in both face-to-face and online learning environments.

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## Activities

- Screencast-o-Matic Orientation, November 2020. UAH ETL training for use of the video editing tool; capturing and editing video, slide presentations, on-screen demonstrations, and lectures for delivery in either on-ground or online coursework.
- AP Calculus Reading, 2019-2021. Onsite/virtual scorer.

- Mathematical Communication and Technology, Texas A&M University, College Station, Texas, 2019, Course description: Techniques of oral, written and electronic communication of mathematics; effective classroom and seminar presentation; LaTeX, HTML, and Javascript; developing Internet applications; Maple and Matlab; and classroom use of computer graphics.
- Teaching Online for Faculty, University of Michigan, Flint, Michigan, 2017. Online course covering basics for online teaching.
- AP Calculus Summer Institute, The University of Alabama, Tuscaloosa, Alabama, 2014, 2015, 2016
- 2-day AP Calculus Workshop, Samford University, Birmingham, Alabama, 2015, 2016

## Professional Memberships

- 2018–current **Mathematical Association of America.**
- 2009–current **National Council of Teachers of Mathematics.**
- 2014–current **Kappa Delta Pi.**
- 2014–current **Phi Kappa Phi.**
- 2003–current **Commerce Executives Society.**

## Civic Involvement

- 2016–2018 **Volunteer Math Team Coach and Tutor.**
- 2010-2012 **Marshall County Children’s Policy Council.**
- 2010-2012 **Launch Advisory Board.**
- 2010-2012 **MLBH Human Rights Committee.**
- 2010-2012 **Department of Human Resources Quality Assurance Council.**
- 2005-2008 **Marshall County Mentor.**
- 2003-2005 **University of Alabama Women’s Initiative.**