

JIL CHAMBLESS

3501 Woodland Hills Drive, Tuscaloosa, Alabama 35405
(205) 792-1326 jchambless@ua.edu

EDUCATION

The University of Alabama, Tuscaloosa, AL

- **Bachelor of Science** in Civil Engineering, May 2002
- **Master of Arts** in Mathematics, December 1991
- **Bachelor of Science** in Mathematics, 1987. Minor: German
- **Alabama Teaching Certificate for Secondary Mathematics**, Class B, 1988. Class A, 1994

EXPERIENCE

The University of Alabama, Tuscaloosa, Alabama

Department of Mathematics

- **Search Committee Member** for external department chair, July 2022 – February 2023
- **MTLC Committee Member**
 - Six-member team that handles general planning and management of courses and services for Lower Division (100- and 200-level) math courses.
 - Includes MTLC Lab Director, Director of Lower Division Instruction, Director of Lower Division Curriculum, Supervisor of Tutors and Proctors, and representatives from Teaching Faculty and Tenure Track Faculty.
 - Work closely with and report to department chair.
- **Supervisor of Tutors and Proctors**, August 2019 – Present
 - Recruit and hire undergraduate peer tutors for 10 courses, Precalculus through Calculus III
 - Train peer tutors and GTAs for tutoring; compile and make available resources for tutors
 - Supervise tutoring, communicate with employees as needed about attendance and performance, approve timesheets for peer tutors
 - Create and maintain the schedule for tutoring services by approximately 100 workers, including peer tutors, GTAs, and instructors, for Math Lab (drop-in tutoring), 3 multi-section Lab Classes, and supplementing tutors for additional tutoring offered by Capstone Center for Student Success (CCSS).
 - Inform faculty and students about tutoring and publicize tutoring schedule
 - Create schedule for Test Proctoring in MTLC. Organize supplemental proctors for testing of classes with large enrollment.
 - Help to prepare annual MTLC budget
 - Coordinate with CCSS, Engenuity Lab, National Society of Black Engineers and other tutoring programs at UA.
 - Help to develop, advertise, and provide supplemental topical sessions for students, including reviews of prerequisite topics, study skills, and metacognitive learning strategies.
- **Senior Instructor**, August 2020 – present; **Instructor**, August 2007 – July 2020
 - Invited presenter of metacognitive learning strategies to several BCE 101 classes.
 - Led a 10-session Professional Development study group for FTTIs and NTRCs, Fall 2022
 - Developed a GTA training course to prepare graduate students to teach; course first offered Spring 2022, then again in Spring 2023.
 - Teach courses in Introductory Algebra, Intermediate Algebra, Finite Math, Precalculus Algebra, Precalculus Trigonometry, and Calculus & Its Applications.
 - Course leader for Intermediate Algebra, Finite Math, and Precalculus Algebra.
 - Online Course Developer for Precalculus Algebra.
 - Applied for and was awarded a Team Innovation Grant from UA College of Continuing Studies, which provided equipment and training for 8 instructors to develop a library of online video resources, 2017.

Professional Engineer (AL #28279), January 2007 – August 2007

Staff Structural Engineer, June 2002 – December 2006

Engineering Technician, January 2001 – May 2002

Almon Associates, Inc., Tuscaloosa, Alabama

- Provided structural engineering services for the design, bid, and construction of various types of architectural, industrial, and municipal projects.
- Designed framing systems, lateral support systems, and foundations using steel, masonry, reinforced concrete, and wood for a variety of structures.
- Prepared drawings and specifications required for the bid and construction of projects.
- Reviewed submittals including concrete mix designs, concrete reinforcement placing drawings, steel shop drawings, and truss shop drawings.
- Observed installation of critical structural components during construction and reported on the conformance of the construction to contract documents.

Graduate Research Assistant, February – December 2000

The University of Alabama, Tuscaloosa, Alabama

Department of Civil and Environmental Engineering

- Worked on a transportation project researching work zone safety.
- Analyzed crash data through extensive use of a computer database.
- Authored a paper on characteristics of work zone crashes.
- Presented the paper at the Transportation Research Board's National Meeting, Washington, D.C., Jan. 2001 and again at a meeting of the Alabama Section of the Institute for Transportation Engineers, Talladega, AL, Mar. 2001.
- The paper was published in the *Institute for Transportation Engineers Journal*, May 2002.

Adjunct Faculty, 1997 - 1999

The University of Alabama, Tuscaloosa, Alabama

Supervised, mentored, and evaluated teacher interns.

Math Instructor, January 1994 – January 2000

Tuscaloosa County High School, Northport, Alabama

- Taught courses in Technical Algebra, Technical Geometry, Geometry, and Calculus.
- Served as school representative to the Superintendent's Advisory Council.
- Chaired a school-wide ten-year study committee to define desired results for student learning. Supervised, mentored, and evaluated teacher interns as part of Clinical Master Teacher team.
- Served on the West Alabama Tech Prep Articulation Committee.
- Sponsored the school Chess Club.

Teacher Trainer, 1994 - 1998

Birmingham - Jefferson Tech Prep Consortium

- Conducted workshops to train high school teachers in the use of CORD Applied Mathematics curriculum

Temporary Full-time Instructor, April 1992 - December 1993

Bessemer State Technical College, Bessemer, Alabama

- Taught courses in Business Mathematics, Technical Mathematics, Algebra, and Physics.
- Developed, implemented, and directed math lab.
- Served on committee to develop college-wide multi-media resource center.
- Served on committee to write proposal for Title III federal grant.
- Responsible for reviewing and adopting new textbooks and software.

Temporary Part-time Instructor, September 1992 - December 1992

University of Montevallo, Montevallo, Alabama and
Jefferson State Community College, Birmingham, Alabama

- Taught Remedial Arithmetic and Algebra courses.

Graduate Teaching Assistant/Part-time Temporary Instructor,

August 1988 - May 1992, August - December 2001

The University of Alabama, Tuscaloosa, Alabama

- Taught courses in Calculus, Introductory College Mathematics, Pre-calculus Algebra and Trigonometry, Mathematical Reasoning, and Remedial Mathematics.

COMPUTER SKILLS

- Extensive experience with MS Excel, MS Word, Powerpoint, Pearson/MyLabsPlus, Cengage/WebAssign.
- Past experience with AutoCADD and with structural engineering design software.

HONORS

- Outstanding American Society of Civil Engineers Student at the University of Alabama, 2001
- Billy Jones Memorial Scholarship recipient, Contractor License Fee Scholarship recipient
- President's List, Dean's List

ACTIVITIES

- Musician
- Supervisor of Tutors and Proctors, UA MTLC, Fall 2019 - present
- Project Leader, UA Introductory Math Innovation Scholars Team, 2017 – 2019
- Secretary/Treasurer, Woodland Hills Foundation, 2010 – 2015
- Director, Woodland Hills Neighborhood Association Board, 2007 - 2014
- Treasurer, Tuscaloosa Neighborhoods Together, 2009 – 2013
- Chair, Communications Subcommittee, Tuscaloosa Community Solutions Network, 2009 – 2010
- President, Tuscaloosa Education Network, November 2007 – 2013
- PTSA President/Vice President, Eastwood Middle School, Tuscaloosa, AL, 2006 – 2009
- "Breaking Boundaries" Panelist, Women's Empowerment Conference, University of Alabama, 2005
- Board Member, Alabama Celtic Association, 2005 - 2014
- Board Member, Alabama Choir School, 2004 – 2006
- PTA President, University Place Montessori School, Tuscaloosa, AL, 2002 - 2003
- Structural Engineers Association of Alabama, 2001-2007
- Girl Scout Troop Leader, 2000 – 2004
- Member, Delta Kappa Gamma Society International, Gamma Delta Chapter, 1999 - 2013