**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

**Instructor**, August 2007 - present

**The University of Alabama**, Tuscaloosa, Alabama

**Department of Mathematics**

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.

**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.

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**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

Project Leader, UA Introductory Math Innovation Scholars Team, Fall 2017 – present

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