

Vitae
Dr. BILLYE E. CHEEK

Grayson College, Denison TX
Department Chair, Computer Science/Engineering/Mathematics

Education

Ph.D., Applied Mathematics, 2011, The University of Texas at Dallas, Richardson, TX
M.S., Applied Mathematics, 2008, The University of Texas at Dallas, Richardson, TX
B.S., Applied Mathematics, 2005, The University of Texas at Dallas, Richardson, TX
A.S., Mathematics, 1993, Tidewater Community College, Virginia Beach, VA

Currently Teaching (Spring 2021)

MATH 1314 College Algebra
MATH 1332 Quantitative Reasoning
MATH 2320 Differential Equations
MATH 2415 Calculus III

Previously Taught

MATH 0120 Math Literacy Lab for Quantitative Reasoning
MATH 0240 Transition to College Algebra Lab
MATH 0310 Developmental Algebra
MATH 0320 Developmental Algebra
MATH 0340 Transition to College Algebra
MATH 0420 Math Literacy for College
MATH 1314 College Algebra
MATH 1316 Plane Trigonometry
MATH 1324 Precalculus for Business
MATH 1325 Calculus I for Business
MATH 1332 Quantitative Reasoning
MATH 1342 Elementary Statistical Methods
MATH 1351 Fundamentals of Mathematics II
MATH 2312 Precalculus
MATH 2318 Linear Algebra
MATH 2320 Differential Equations
MATH 2413 Calculus I
MATH 2414 Calculus II
MATH 2415 Calculus III

I am currently prepared to teach all of the courses listed above.

Professional Experience

January 2021 – present	Department Chair, Computer Science/Engineering/Mathematics Mathematics Professor Grayson College, Denison TX
August 2020 – December 2020	Mathematics Program Coordinator Grayson College, Denison TX
January 2012 – present	Mathematics Professor Grayson College, Denison TX
August 2011 – December 2011	Adjunct Mathematics Professor Grayson College, Denison TX
August 2006 – August 2011	Graduate Mathematics Teaching Assistant The University of Texas at Dallas, Richardson TX
May 2005 – September 2005	Calculator Tester Texas Instruments, Dallas TX

Honors and Awards

Oct 2020	\$5000 OER Implementation Grant, Texas Higher Education Coordinating Board
May 2016	AIR Data & Decisions® Academy Achieving the Dream Presidential Scholarship
Aug 2006 – Aug 2011	Graduate Tuition Scholarship, The University of Texas at Dallas
Aug 2006 – May 2008	Excellence in Education Fellowship, The University of Texas at Dallas
Dec 2005	Graduated <i>cum laude</i> , The University of Texas at Dallas
May 1993	Graduated <i>summa cum laude</i> , Tidewater Community College

Association Memberships

2015 – present	TCCTA – member
2014 – present	UIL Region II – IIA – Math Contest Director
2012 – 2013	American Mathematical Association for Two-Year Colleges (AMATYC) – member
1991 – 1993	Phi Theta Kappa – member 1991-1993; Membership Officer 1992-1993

Committees

Aug 2018 – Aug 2020	Mathematics Field of Study Committee, Texas Higher Education Coordinating Board
Aug 2017 – present	Open Educational Resources Committee

Professional Presentations

Apr 2011	Kauffman Bracket Skein Module for the Disk Sum of $A \times S^1$ and $A \times I$, University of North Texas at Dallas, Dallas, TX
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Publications and Papers

Refereed Journal and Proceedings Articles:

B.E. Cheek, M.K. Dabkowski, A. El Nagdi, L.R. Hunt, T.J. LaFave Jr, Ke Liu, D.L. MacFarlane, and V. Ramakrishna. *Analysis of a Polynomial System Arising in the Design of an Optical Lattice Filter Useful in Channelization*, Acta Appl. Math. 118, No. 1, 107-123 (2012).

Dissertation:

Cheek, B. *Kauffman Bracket Skein Module for the Disk Sum of $A \times S1$ and $A \times I$* (Published on ProQuest/UMI)

Professional Development

Nov 2020	Lumen Webinar: Building Stronger Connections with Students in a Synchronous Math Course
Nov 2020	Lumen Webinar: Effective Strategies to Identify and Help Struggling Students in an Asynchronous Math Course
Oct 2020	Grayson College Learning Day
Mar 2020	NOSS (formerly NADE) Conference, Nashville, TN
Feb 2020	Grayson College Learning Day
Oct 2019	Grayson College Learning Day
Feb 2019	Grayson College Learning Day
Mar – Apr 2018	Quality Matters Course - Designing Your Blended Course
Feb – Mar 2018	Quality Matters Course - Designing Your Online Course
Mar 2017	Grayson College Learning Day
Feb 2017	Grayson College Faculty Data Summit
Oct 2016	Grayson College Learning Day
Aug – Sep 2016	Association for Institutional Research Data & Decisions® Academy Course - Foundational Statistics for Decision Support
Aug - Sep 2016	Association for Institutional Research Data & Decisions® Academy Course - Longitudinal Tracking for Institutional Research
Jan 2016	Grayson College Quality Matters Training
Oct 2015	Grayson College Professional Development Day
Mar 2015	Grayson College Professional Development Day
Dec 2014	Grayson College Professional Development Day
Oct 2014	Grayson College Professional Development Day
Aug 2014	Grayson College Professional Development Day
Feb 2014	Grayson College Professional Development Day
Oct 2013	AMATYC Conference, Anaheim CA
Sep 2013	Developmental Math Workshop with Dr. Julie Phelps (coordinator and participant)
Aug 2013	New Adjunct Professional Development Orientation (coordinator)
Mar 2013	Grayson College Professional Development Day
Apr 2012	NCTC College Math Readiness Symposium, Texas Woman's University, Denton, TX
Mar 2012	National Center for Academic Transformation (NCAT), Dallas, TX
Feb 2012	National Association for Developmental Education (NADE), Orlando, FL
Aug 2012	Professional Development with Dr. Terry O'Banion, Grayson College
Aug 2012	EPA Meeting, Grayson College
Oct 2012	CCA Focus Workshop, Texas State University, San Marcos, TX
Nov 2012	AMATYC Conference, Jacksonville, FL