
JESSICA M. HURDUS

jmhurdus@vt.edu
225 Stanger Street
Blacksburg, VA 24061
540 · 231 · 5126

EDUCATION

Virginia Tech

B.S. Mathematics, May 2008

Computer Science Minor

Summa Cum Laude

University Honors Program

Virginia Tech

M.S. Mathematics, May 2009

Graduate Student Teaching Certified

EXPERIENCE

Virginia Tech

Advanced Instructor, Mathematics

Instructor, Mathematics

Blacksburg, VA

August 2015–present

August 2009–July 2015

Teaching:

Derivative Calculus, Integral Calculus, Differential Equations; Geometry and Math of Design I, Geometry and Math of Design II; Discovering Mathematics I*, Discovering Mathematics II*, Applied Combinatorics and Graph Theory. Graduate student and new faculty teaching mentor.

*Discovering Math I & II carry the First-Year Experience course attribute and were developed under VT's 2010-2015 Quality Enhancement Plan.

Advising

· *Lower-Division Advising Team Chair:* Develop and chair the department's lower-division advising team. Establish best practices, run monthly meetings, encourage advisor training, incorporate on-line advising platform (Navigate) into team practices. Maintain department handbooks and online advising resources. Assist with checksheet maintenance.

· *Undergraduate Academic Advisor:* Primary academic advisor to 30+ undergraduate students. Track progress to degree, discuss career goals and course content connections, evaluate study skills. Applied Discrete option advisor and lower-division advisor for all options.

· *Summer Orientation Lead Advisor:* Lead advisor for all math department orientation sessions for incoming freshman, transfer, and international students.

· *First-Year Experience (FYE) Advising Coordinator:* Introduce first-year math majors to collegiate and departmental academic advising. Outline advisor and student roles and expectations. Guide students through the academic advising process. "On-the-spot" advising before/after class.

Advising Training

Virginia Tech Academic Advising Institute, NACADA e-Tutorial "Theory & Practice of Advising", Virginia Tech's Advising Chat Series, CIDER seminars, Advising Matters Conferences, FYE Community of Practice Conferences

Curriculum Development

Discovering Mathematics I & II Principal Investigator, VT Math Emporium online quiz and test system support team member, Trigonometry Module co-developer, Calculus for life sciences course redesign project team member, Business calculus course redesign project team member

Committee Work and Administrative Duties

Scheduling Coordinator, Transfer Credit Evaluator, Undergraduate Program Committee Co-chair, Lower-Division Advising Team Chair, Trigonometry Module Co-coordinator, Instructor Executive Committee, Calculus Readiness Support, Calculus I Course Coordinator (~40 sections, 30 instructors, 1350 students)

Virginia Tech
Temporary L^AT_EX Coder, University Libraries

February-May 2019
Blacksburg, VA

Clarabridge
Associate Consultant, Text Analytics

Summer 2008
Reston, VA

California State University, Chico
REU, Number Theory

Summer 2007
Chico, CA

IBM
Software Team, Eclipse Translation Verification Testing

Summer 2006
Raleigh, NC

TECHNICAL SKILLS & ONLINE TEACHING AND ADVISING PLATFORMS

Mathematica, L^AT_EX, HTML, Microsoft Office Suite, Canvas, Navigate, HokieSpa

NOMINATIONS, AWARDS, & HONORS

FACULTY AWARDS

- *Nomination:* Alumni Award for Excellence in Undergraduate Academic Advising, 2018
- Math Club Faculty of the Year, 2015
- Promotion to Advanced Instructor, 2015
- Math Department Instructor of the Year, 2014
- Favorite Faculty Award, 2011 & 2012
- Excellence in Access and Inclusion Award, 2011

STUDENT AWARDS AND HONORS

- *Finalist:* VT Woman of the Year, 2008
- College of Science Roundtable Scholar, 2008
- Math Department Outstanding Senior, 2008
- Pi Mu Epsilon Mathematics Honor Society
- Phi Beta Kappa Society

PROFESSIONAL SOCIETIES

NACADA (National Academic Advising Association)