

Derek Allen Johnston

derek.a.johnston@ttu.edu | 806-778-7162

Education

Master of Science in Electrical Engineering

Texas Tech University

Program for Semiconductor Product Engineering

May 2016

Bachelor of Science in Electrical Engineering

Texas Tech University

May 2013

Teaching

Instructor

Texas Tech University

2019 – Present

Instructor of record for the following courses:

- ENGR 1330 – Computational Thinking with Data Science
- ECE 2372 – Modern Digital System Design
- ECE 3304 – Discrete-Time Signals and Systems
- ECE 3306 – Electric Circuits II
- ECE 3331, 3332, and 4334 – Project Laboratory I, II, and V
- ECE 3341 – Electromagnetic Theory I
- ECE 4365 – Parametric and Functional Device Testing
- ECE 4366 – Testing of Digital Systems

Graduate Part-Time Instructor

Texas Tech University

2013 – 2016

Supplemental Instruction Leader

Support Ops for Academic Retention, Texas Tech University

2012 – 2013

Service

Interim Hub Director

West Texas BEST Robotics

2021 – Present

Faculty Advisor

Institute of Electrical and Electronics Engineering, Student Section

2019 – Present

Laboratory Manager

Program for Semiconductor Product Engineering

2019 – Present

Publications and Conference Presentations

- D. Johnston, B. Nutter and R. Gale, "IC Discrimination via Novel S-Parameter Measurement Technique," 2020 IEEE International Instrumentation and Measurement Technology Conference (I2MTC), 2020, pp. 1-5, doi: 10.1109/I2MTC43012.2020.9129222.
- D. Johnston and R. Gale, "Segmenting Semiconductor Test Curriculum into a Course Sequence" Co-Speaker, NIWeek 2018, May 2018