VITA

Robert L. Wright

Academic/Professional Background Educational Background

Degree	*Year*	*University*	*Major*
MST	1999	Texas State	Industrial Technology
BBA	1992	Texas State	Business Management

University Experience

Position	*University*	*Dates*
Associate Professor of Instruction	TxState	Fall 2024 - Current
Program Coordinator Minor in Data Analytics	Texas State University	Fall 2023 – Current
Assistant Chair ISAN Department	Texas State University	Fall 2021 – Summer 2023
Senior Instructor	Texas State University	Fall 2021 – Current
Instructor	Texas State University	Fall 2015 – Fall 2021

Fall 2015

QMST 2333.001 "Business Statistics"
QMST 2333.004 "Business Statistics"
QMST 2333.009 "Business Statistics"

Spring 2016

QMST 2333.255 "Business Statistics"
QMST 2333.257 "Business Statistics"
QMST 2333.259 "Business Statistics"

Summer 2016
QMST 5334.501 “Advanced Stat Methods”
QMST 2333.502 "Business Statistics"
Qmst 2333.753 "Business Statistics"

Fall 2016

QMST 2333.001 "Business Statistics"
QMST 2333.004 "Business Statistics"
QMST 2333.007 "Business Statistics"

Spring 2017

QMST 2333.251 "Business Statistics"
QMST 2333.256 "Business Statistics"
QMST 2333.258 "Business Statistics"

Summer 2017

QMST 2333.501 "Business Statistics"
QMST 2333.502 "Business Statistics"
QMST 2333.753 "Business Statistics"

Fall 2017

QMST 2333.001 "Business Statistics"
QMST 2333.004 "Business Statistics"
QMST 2333.007 "Business Statistics"

Spring 2018

QMST 2333.251 "Business Statistics"
QMST 2333.253 "Business Statistics"
QMST 2333.256 "Business Statistics"

Summer 2018

QMST 2333.501 "Business Statistics"
QMST 2333.502 "Business Statistics"

Fall 2018

QMST 2333.0001 "Business Statistics"
QMST 2333.0004 "Business Statistics"
QMST 2333.0005 "Business Statistics"

Spring 2019

QMST 2333.251 "Business Statistics"
QMST 2333.253 "Business Statistics"
QMST 2333.256 "Business Statistics"

Summer 2019

QMST 2333.501 "Business Statistics"
QMST 2333.502 "Business Statistics"

Fall 2019

QMST 2333.002 "Business Statistics"
QMST 2333.003 "Business Statistics"
QMST 4314.001 "Optimization"

Spring 2020

QMST 2333.251 "Business Statistics"
QMST 2333.253 "Business Statistics"
QMST 2333.255 "Business Statistics"

Summer 2020

QMST 2333.501 "Business Statistics"
QMST 2333.502 "Business Statistics"

Fall 2020

QMST 2333.002 "Business Statistics"
QMST 2333.003 "Business Statistics"
QMST 4314.001 "Optimization"

Spring 2021

QMST 2333.252 "Business Statistics"
QMST 2333.255 "Business Statistics"
QMST 2333.258 "Business Statistics"

Summer 2021

QMST 2333.502 "Business Statistics"

Fall 2021

QMST 2333.001 "Business Statistics"
QMST 2333.009 "Business Statistics"
QMST 2333.010 "Business Statistics"
QMST 5334.003 “Advanced Stat Methods”
QMST 5334.004 “Advanced Stat Methods”

Spring 2022

QMST 2333.255 "Business Statistics"
QMST 2333.257 "Business Statistics"
QMST 5334.251 “Advanced Stat Methods”

Summer 2022

QMST 2333.501 "Business Statistics"

Fall 2022

QMST 2333.001 "Business Statistics"
QMST 2333.002 "Business Statistics"
QMST 4314.001 "Optimization"

Spring 2023

QMST 2333.255 "Business Statistics"
QMST 2333.256 "Business Statistics"
QMST 2333.257 "Business Statistics"
QMST 2333.262 "Business Statistics"

Summer 2023

QMST 2333.501 "Business Statistics"

Fall 2023

QMST 2333.012 "Business Statistics"
QMST 2333.010 "Business Statistics"
QMST 5334.005 "Advanced Stat Methods"

Spring 2024

QMST 2333.255 "Business Statistics"
QMST 2333.256 "Business Statistics"
QMST 2333.262 "Business Statistics"

Summer 2024

QMST 2333.501 "Business Statistics"

Fall 2024

ANLY 2333.010 "Business Statistics"
ANLY 3314.001 "Decision Analytics"

Spring 2025

ANLY 2333.253 "Business Statistics"
ANLY 2333.254 "Business Statistics"

Summer 2025

ANLY 2333.501 "Business Statistics"

Fall 2025

ANLY 2333.010 "Business Statistics"
ANLY 3314.001 "Decision Analytics"

Spring 2026

ANLY 2333.253 "Business Statistics"
ANLY 2333.254 "Business Statistics"

Summer 2026

ANLY 2333.501 "Business Statistics"

Fall 2026

ANLY 2333.010 "Business Statistics"
ANLY 3314.002 "Decision Analytics"

Per Course Instructor Texas State University Spring 2001 – 2015

Courses Taught: ENG 5315 Engineering Economic Analysis
TECH 5387 Planning Advanced Technology Facilities
TECH 4357 Facility Design
TECH 3364 Quality Control

Per Course Instructor San Marcos Academy

Spring 2020

QMST 2333 "Business Statistics"

Spring 2021

QMST 2333 "Business Statistics"

SERVICE

A. College:
McCoy College of Business Administration 2017 College Achievement Award
McCoy College of Business Administration 2016, 2019, 2023 Favorite Professor Award
Bobcat Bond Program Mentoring Program Fall 2018

B. University:
Transportation Committee: Fall 2024 – Spring 2027

Program Coordinator: Minor in Data Analytics: Fall 2023 – Current

Suspension Appeals Committee; Spring and Fall 2018, Spring and Summer 2019, Fall 2020, Spring 2021, Fall 2021

Faculty Handbook Committee; Fall 2021 to Spring 2024

Bobcat Freshmen Move-in Summer 2023 – Bobcat Stadium Parking Lot

C. Department:

Submission reviewer: 2026 Association of Business Information Systems

Session Chair: 2026 Association of Business Information Systems

Promoting Computer Information Systems and Quantitative Methods to High Schools; Fall 2018

GIA/GRA Committee; Spring 2021 -Summer 2023

Professional Experience

Position	*Entity*	*Dates*
Order Management Supervisor	Flextronics	Apr 2012 – July 2015
Production Control	Flextronics	Feb 2012 – Apr 2012
Supply Chain	Freescale Semiconductor	2010 to 2012
Senior Member of Technical Staff	SEMATECH	2006 to 2010
Factory Simulation Manager / Budget Analyst Member of Technical Staff	SEMATECH	2004 to 2006
Factory Simulation Analyst / Budget Analyst	SEMATECH	1996 – 2004
Financial Planner / Budget Analyst	SEMATECH	1993 - 1996

Articles / Presentations

KXAN NEWS INTEVIEW - TAYLOR, Texas (KXAN) — Samsung’s new chip manufacturing plant in Texas has delayed the start of production to 2025, according to reports.
Bloomberg, citing the Seoul Economic Daily, a business newspaper in South Korea, reported Samsung has delayed mass production plans at its new chip plant in Taylor, Texas, a city about 50 miles northeast of Austin.

A semiconductor expert's insight

Texas State University Senior Instructor of Statistics Robert Wright has 17 years of experience in the semiconductor industry.

"Anything that's electronic has to have computer chips in it," Wright said.

Wright said a delay in production could be because of the supply and demand for chips.

Changes in demand aren't uncommon in this industry, according to Wright.

"The downturn is very normal," Wright said. "It's a very cyclical industry."

Ultimately, he said Samsung will create the best production timeline for its company.

"They are going to make the right decision so that those chips are being manufactured when they need them," Wright said.

Future Fab International: MODELING SEMICONDUCTOR FACTORIES FOR EQUIPMENT AND CYCLE TIME REDUCTION OPPORTUNITIES; Part II Febuary 2009 Edition - Lead author

Solid State Technology; A vision for a next-generation 300mm factory; Co-author, October, 2008

ASMC Boston, May 2008
300mm Productivity Detractors – Mitigation Cost Analysis

Informs Regional Conference Texas A&M University, April 2008
Improving Cycle Time in 300mm Factories

Future Fab International 2008 Issues 24 and 25
Modeling Semiconductor Factories for Equipment and Cycle Time Reduction, Parts 1 and 2

Cost Analysis of NanoImprint Lithography; NNT Conference
November, 2006

FabTech Publication, Fall 2005 Issue
Coauthored article on Impact of Single Wafer Clean on Manufacturing efficiency –Semiconductor Fab Perspective

Invited speaker for Manufacturing Engineering program at Texas State University; Topic: Simulating a Semiconductor Factory, Spring 2005

Invited speaker at the IEEE Lithography workshop. Topic: Modeling Total Wafer Cost, August 2005

WinterSim 2005: Presentation on An Emerging Technology: Traditional Semiconductor Lithography versus Emerging Technology (Nano Imprint)

WinterSim 2005: Session Chair for Lean Manufacturing

Reviewer of university technical documents proposing future research by ISMI, SRC, and National Science Foundation, 2004

Taking a Queue from Simulation; Industrial Engineer, August 2004, Volume 36, Number 8

WinterSim 2004: Presentation on Comparative Factory Analysis of Standard FOUP Capacities

SEMATECH / ISMI Articles

ISMI 450 mm Factory Simulation Focus Team 2006 Interim Report 20-Dec-2006 Project Report 450 mm Transition Strategy & Assessment 29632TD

450 mm Joint Working Group & Program Advisory Group Presentations - 11 Sep 2006 Presentation Materials 450 mm Program Advisory Group (PAG) ISMI 29548

ISMI Factory Simulation of Multiple Process Flow Factories and the Achievement of Cycle Time Reality 04124613A-ENG

Economic Analysis Report - Productivity assessment on the 65nm technology by product type for 200/300mm wafers processed in a new/upgraded fab 04124609A-ENG - coauthor

Economic Analysis Report - Productivity assessment on the 90nm technology by product type for 200/300mm wafers processed in a new/upgraded fab 04064536A-ENG - coauthor

Front End-Of-Line (FEOL) Processing Options: Silicon-on-Insulator (SOI) vs. Planar Bulk for 45 nm, TTID 05114696A-ENG - coauthor

45nm Productivity Analysis Interim Report with Economic Modeling/Economic Analysis Briefing Summary, TTID 26449TD - coauthor

45nm Productivity Analysis Report based on an Industry Economic Model v10.1 Special Study, TTID 05124730A-ENG - coauthor

300 mm Lessons Learned & the Next Wafer Size Transition TTID 25777, - Contributions acknowledged

An Analysis : Traditional Semiconductor Lithography versus Emerging Technology (Nano Imprint), coauthor; joint paper with External Programs

Cost model delivered to Interconnect for 3D-Technology, coauthored 05094678A-ENG titled, 3D Interconnect Infrastructure Needs Assessment and Program Strategy

300mm Factory Layout and Automated Material Handling; Solid State Technology, December 1999

Other Efforts

Initiated Nano Scholar Intern Simulation program - Recruited students on site at Texas State University to begin internships within SEMATECH, ATDF, and ISMI. Since 2006, six Nano Scholar interns were interviewed, hired, and trained in discrete event simulation.

University Intern Simulation Program
Provided $300K infunding from SEMATECH (ISMI) to Texas State University, CHIPS Simulation Lab. Mentor and develop university students in simulation methodologies, providing a path for future member company employees. Allows ISMI to employ low-cost / high-value employees. To date, three students are employed in the industry.