

# Curriculum Vitae

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## Michael R. Lowery

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Dallas, TX 75243

## Education

Tennessee Technological University - BSEE, minor in Mathematics

Graduate Level Studies - Wave Propagation/Antenna Design  
Electronic Communications Systems

Raytheon Learning Institute (RLI) – Advanced Studies – RADAR & Electro-Optical Systems

DOD/Defense Systems Management College – Defense Systems Acquisition Management

## Teaching Experience

ITT Technical Institute – DC/AC Fundamentals, Digital Fundamentals, Solid State Devices,  
Electronic Communications Systems, Automatic Industrial Control Sys.  
Mobile Wireless Systems, Electrical Machines/Energy Conversion  
Fiber Optic Systems Design, Power Electronics, Telecommunications,  
Advanced Circuit Analysis I/II, Advanced Power/Green Energy Systems

Richland College - Solid State Devices, AC Circuits

## Certificates, Certifications & Other Qualifications

Program Management Professional (PMP) Certification, PMI Institute

Carnegie-Mellon – CMMI Level 5 Systems Process Engineer - Certification

Six-Sigma Specialist Certification

Member IEEE, ASME, AES

## Relevant Work Experience

Texas Instruments Defense Electronics Group / Space & Airborne Systems

- Advanced Airborne Radar Design; X, S, Ku, Ka Band Transmitter Design,
- Design of Air Traffic Control Radar Systems - Low-noise, Coherent, High Power Systems
- Coherent Receiver Systems, Hi-Power Diplexers/Filter Systems and Frequency Control
- S, X, Ku, Ka Band Antenna Design/Optimization/Qualification

Raytheon Defense and Space Group

- Led Design Team on Advanced Low Noise/High Power radar and coherent system processing for Advanced Tactical Aircraft (ATA) and Joint Operations A12/A6F aircraft systems
- Inverse Synthetic Radar (ISAR) – Coherent X-Band Systems for USAF, USN, U.S.C.G
- Design/Factory Optimization of Joint Strike Fighter / JSF / F-35 Mission Sensor System
- Led Design and Production of Advanced Multi-Mode Radar for USAF Special Operations CV-22 and Army Special Operations (SOA) MH-60K and MH-47E aircraft.

I certify that statements made by me in this vitae are true, complete and correct.