

# Curriculum Vitae

---

---

Instructor's Name: R. LeRoy McHenry  
A.C.C.E.S.S. Office 972-238-6140 (adjunct faculty)  
[lmchenry@dcccd.edu](mailto:lmchenry@dcccd.edu)

Richland College  
12800 Abrams Road  
Dallas, TX 75243

## Education

University of Houston Clear Lake, Houston, TX  
MS, Statistics

University of Houston, Houston, TX  
No degree

University of Louisiana at Monroe, Monroe, LA  
BS, Mathematics

## Teaching Experience

Collin County Community College, McKinney, TX Jan 2012 – Current  
Adjunct Professor – College Algebra, College Mathematics, Statistics, Calculus I,  
Finite Mathematics, Mathematics for Liberal Arts I

Embry-Riddle Aeronautical University, Fort Worth TX Jan 2012 – October 2013  
Adjunct Instructor – Basic Algebra & Trig, Business Statistics

## Publications and Papers

McHenry, R. L., "Estimation of Means for Inverse Gaussian in the Presence of Uncertain Prior Information", Master's Thesis, The University of Houston Clear Lake, Houston, Texas, December, 1996.  
McHenry, R. L., "Analytic Orbit Plane Targeting for Orbit Transfers About an Oblate Planet", AAS 91-429 paper presented at the AAS/AIAA Astrodynamics Specialist Conference, Durango, CO, August 19-22, 1991.  
McHenry, R. L., "Simple computations for near-optimum ascent and abort maneuver targets and deorbit ignition time", JSC-16318; NASA-TM-80850; REPT-80-FM-3, Jan 1, 1980  
McHenry, R. L., et al, "Space Shuttle Ascent Guidance, Navigation, and Control", STATE OF THE ART PAPER, Journal of Astronomical Sciences, Vol. XXVII, No. 1, Jan-Mar 1979, pp. 1-38.  
McHenry, R. L.; Rother, M. R., "Apollo applications program two and one-half stages to orbit tracking analysis", MSC-IN-69-FM-229; NASA-TM-X-69685, Oct 28, 1969  
McHenry, R. L., "Apollo 10 spacecraft dispersion analysis. Volume 3 LOI, TEI, and APS burn-to-depletion maneuvers", MSC-IN-69-FM-125-VOL-3; NASA-TM-X-69841, May 13, 1969  
McHenry, R. L., "Error analyses of typical Apollo spacecraft maneuvers using the PGNCS and SCS to control the RCS", MSC-IN-68-FM-259; NASA-TM-X-69635, Oct 8, 1968  
McHenry, R. L., "Error analyses of typical Apollo spacecraft maneuvers using the PGNCS and SCS to control the SPS", MSC-IN-68-FM-258; NASA-TM-X-69034, Oct 8, 1968  
McHenry, R. L., "Apollo 8 spacecraft dispersion analysis. Volume 1 Dispersion summary", MSC-IN-68-FM-298-VOL-1; NASA-TM-X-69746, Dec 13, 1968

## Certificates, Certifications & Other Qualifications

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

## **Relevant Work Experience**

Boeing Company (2004-2011) – Software Engineer

Lockheed Martin Corporation (1994-2004) - Lead Systems Engineer

Charles S. Draper Lab (1989-1994) - Technical Staff

NASA Johnson Space Center (1966-1989) - Aerospace Engineer.

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