

**Name** R. Alan Butler  
**Title** Lecturer  
**Department** Physics  
**College** Natural Science

**Education**

M.S. Physics University of Texas at Dallas, 1984  
B.A. Physics Texas A&M University, 1979

**Professional Licensure and Certifications**

Texas Certification for teaching Mathematics, 8-12

**Professional Teaching Experience**

2007 – Present **Lecturer**  
Dept. of Physics, Sam Houston State University, Huntsville, TX

2006 – 2007 **Adjunct Instructor**  
Dept. of Mathematics, Cy-Fair College, Cypress, TX  
Dept. of Physics, Kingwood College, Kingwood, TX

2005 – 2006 **Adjunct Instructor**  
Dept. of Physics, Kingwood College, Kingwood, TX  
Dept. of Physics, Montgomery College, Conroe, TX

2004 – 2005 **Adjunct Instructor**  
Dept. of Physics, Montgomery College, Conroe, TX

2001 – 2002 **Adjunct Instructor**  
Dept. of Physics, Montgomery College, Conroe, TX

1987 – 1988 **Adjunct Instructor**  
Dept. of Mathematics, Austin Community College, Austin, TX

1985 – 1987 **Adjunct Instructor**  
Dept. of Mathematics, Brookhaven College, Dallas, TX

1980 – 1981 **Lab Instructor**  
Dept. of Electrical Engineering, Texas A&M University, College Station, TX  
**Research Assistant**  
Dept. of Electrical Engineering, Texas A&M University, College Station, TX

**Professional Society Memberships**

Member, AMATYC (American Mathematical Association of Two Year College Teachers)

**Presentations**

“State-of-the-Art Manufacturing Processes for CMOS Memory IC’s”, Graduate Seminar for students and faculty of Electrical Engineering; March, 1981, Texas A&M University

### **Research / Technical Reports**

Butler, R., 1982, *High Level Transients in Tantalum Capacitors*, (Rockwell International, internal report based on a 6-month experimental investigation), Richardson, TX

### **Teaching Disciplines & Courses Taught**

Physics: College Physics I (Trig-based w/ lab component)  
College Physics II (Trig-based w/ lab component)  
Physics 135 (SHSU)  
High School Physics

Astronomy: Physics 133 (SHSU)

Mathematics: Intermediate Algebra  
College Algebra  
Trigonometry (3 semesters)  
Calculus I  
Linear Algebra (2 semesters)  
Differential Equations (2 semesters)  
High-school Algebra, Geometry, Pre-Calculus

### **Related Experience in Private Sector**

1995 – 2000	<b>Engineering &amp; Procurement</b>	Compaq Computer Corp., Houston, TX
1993 – 1995	<b>Component Engineer</b>	DSC Communications, Plano, TX.
1988 – 1993	<b>Component Engineer</b>	Rockwell Intl. Corp., Richardson, TX
1984 – 1987	<b>Electrical Engineer</b>	Recognition Equipment Inc., Dallas, TX
1981 – 1983	<b>Applications Engineer</b>	Rockwell Intl. Corp., Richardson, TX
1979 – 1981	<b>Semiconductor Engineer</b>	Mostek Corp., Carrollton, TX