



Thomas H. Brown, Jr., Ph.D., P.E.
The Institute for Transportation Research and Education
North Carolina State University
Centennial Campus, Box 8601
Raleigh, North Carolina 27695-8601
tel: 919.513.0207 | fax: 919.515.8898
brown@eos.ncsu.edu

EDUCATION

Aerospace Engineering; B.S.	1969	Georgia Institute of Technology
Engineering Mechanics; M.S.	1973	Georgia Institute of Technology
Mechanical Engineering; Ph.D.	1989	North Carolina State University

PROFESSIONAL EXPERIENCE

07/01 – present	Faculty Associate, Institute for Transportation Research & Education North Carolina State University
01/01 – 06/01	Director, Undergraduate Distance Ed Programs, Office of Academic Affairs, College of Engineering NC State University
07/96 – 12/00	Director, Successful Student Transitions Office of Academic Affairs, College of Engineering
07/93 – 06/96	Assistant to the Director, NSF funded SUCCEED Project College of Engineering Dean’s Office, NC State University
09/81 – 06/93	Visiting Instructor/Lecturer; Department of Mechanical and Aerospace Engineering, NC State University
05/80 - 08/81	Project Engineer, Corporate Material Handling Group, Burlington Industries; Greensboro, North Carolina
10/77 - 04/80	Project Engineer, Process Equipment Group,; Daniel Construction Company; Greenville, South Carolina
01/77 - 09/77	Project Engineer, Textile Machinery Department, John D. Hollingsworth on Wheels; Greenville, South Carolina
02/74 - 12/76	Project Engineer, Satellite Antenna Systems Group, Scientific-Atlanta, Inc.; Atlanta, Georgia
03/70 - 02/72	Lt. J.G., Naval Flight Officer; United States Navy

Present Responsibilities

Program Manager & Instructor, FE Exam and PE Exam Review Courses

Program Manager & Instructor, Highway Engineering Concepts
(HEC) Course

Instructional Materials Developer & Co-PI,
Fundamental Engineering Principles (FEP) Program

Books

***Mechanical Design Handbook* 2ND Edition (2006)**

**Harold A. Rothbart and Thomas H. Brown, Jr.
McGraw-Hill**

***Marks' Calculations for Machine Design* (2005)**

Thomas H. Brown, Jr., McGraw-Hill

***Standard Handbook of Machine Design*, 3RD Edition (2004)**

**Joseph E. Shigley, Charles R. Mischke, and Thomas H. Brown, Jr.;
McGraw-Hill**