

JESSE E. HORNER

Associate Professor and Interim Chairman
Department of Industrial Technologies
College of Science and Technology
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OFFICE

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RESIDENCE

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EDUCATION :

Earned Doctorate of Education (ED.D), 1986,
UNIVERSITY OF HOUSTON, Houston, Texas
Dissertation's Title: *“Curricular Content of Basic Computer Graphics Courses
for Teaching Engineering Drawing on the College and University Levels”*.

Masters of Science (MS), 1977,
TEXAS SOUTHERN UNIVERSITY,
Houston, Texas
Major: Industrial Education
Major Emphasis - Curriculum Construction for Engineering Drafting and Design
Courses.

Bachelor of Science (BS), 1972,
NORTHWESTERN STATE UNIVERSITY,
Natchitoches, Louisiana
Major: Industrial Arts Education
Minor: Physical Education/Coaching

PROFESSIONAL EXPERIENCES :

1977 – Present

TEXAS SOUTHERN UNIVERSITY (College of Science & Technology),
Houston, Texas

ASSOCIATE PROFESSOR : Industrial Technologies

1982 – 1983

HOUSTON COMMUNITY COLLEGE, Houston, Texas
INSTRUCTOR: Engineering Drafting and Design

1976 – 1977

EASTMAN WHIPSTOCK COMPANY, Houston, Texas
MECHANICAL DRAFTSMAN : Downhole Tools

1975 – 1976

HYDRIL COMPANY, Houston, Texas
TOOLING DRAFTSMAN : Oilfield Equipment

1973 – 1975

STRAN STEEL CORPORATION, Houston, Texas
MECHANICAL DRAFTSMAN : Metal Buildings

1972 – 1973

NATCHITOCHEs JR. HIGH SCHOOL, Natchitoches, Louisiana
INSTRUCTOR : Industrial Arts Curriculum Project (IACP)

PROFESSIONAL ACTIVITIES :

Developed course materials and taught an advanced course in computer-aided design using NX 8.5 software – Spring semester 2015.

Attended the Association of Technology, Management, and Applied Engineering (ATMAE) Convention in St. Louis, MO where I participated in the Accreditation Visiting Team and Self-Study Development Workshops – November 19-22, 2014.

Appeared before the Accreditation Board of the Association of Technology, Management, and Applied Engineering (ATMAE) held in New Orleans, LA on November 19-23, 2013. The Department of Industrial Technologies received re-accreditation of its programs in Design and Construction Technology thru 2019.

Submitted proposal and received funding totaling \$100,000 from Title III to work with at-risk students at Jack Yates High School – July 11, 2013.

Lead the Industrial Technologies faculty in organizing the re-accreditation report for submission to the Association of Technology, Management, and Applied Engineering (ATMAE) – April 9-11, 2013.

Attended the Association of Technology, Management, and Applied Engineering (ATMAE) Annual Convention in Nashville, TN where I participated in the Self-Study Development Workshops and Reaccreditation hearings – November 14-17, 2012.

Attended the Association of Technology, Management, and Applied Engineering (ATMAE) Convention in Cleveland, OH where I participated in the Accreditation Visiting Team and Self-Study Development Workshops – November 8-12, 2011.

Appeared before the Board of Accreditation of the National Association for Industrial Technology (NAIT) in Panama City Beach, Florida, October 23-27, 2007. The Department of Industrial Technologies received re-accreditation of its programs in Design and Construction Technology thru 2013.

Chaired the self-study committee and organized the re-accreditation report for submission to the National Association of Industrial Technology (NAIT) - April 8-10, 2007

Attended the National Association for Industrial Technology Convention in Cleveland, OH where I participated in the Accreditation Visiting Team and Self-Study Development Workshop – November 14-17, 2006.

Attended the National Association for Industrial Technology Convention in St. Louis, MO where the Dept. of Industrial Technologies received **Full Re-Accreditation** – November 16-19, 2005

Conducted a two-week Solid Modeling workshop at Makerere University – Kampala, Uganda – March 15-26, 2004

Co-authored proposal and received funding from USAID to develop course content for teaching solid modeling using Solid Edge software for mechanical engineering professors at Makerere University, Kampala, Uganda – February 2004

Attended the National Association for Industrial Technology Convention in Nashville, TN – November 19-22, 2003

Conducted a weeklong Solid Modeling workshop at Hempstead High School – June 2-6, 2003

Served on dissertation committee for Ms Ianthia Fisher (Education) – August 1999

Served on thesis committee for Mr. Ruben A. Howard (Transportation) – May 1999

Attended the National Convention of the National Association of Industrial Technology (NAIT) in Indianapolis, IN - October 1998

Attended the EDS Unigraphics Computer-Aided Design Workshop (CAD Fundamentals) in Detroit, MI - July 1998

Served on dissertation committee for Ms. Iris Jeffries (Education) – June 1998

Served on National Association of Industrial Technology (NAIT) Re-accreditation team at Bowling Green State University, Bowling Green, OH - April 1998

Participated in the EDS Unigraphics Computer-Aided Design Workshop (CAD Sketching) in Cypress, CA - March 1998

Attended the National Conference of the National Association of Industrial Technology (NAIT) in Atlanta, GA - October 1997

Served on National Association of Industrial Technology (NAIT) Re-accreditation team at Norfolk State University, Norfolk, VA - April 1997

Conducted one-week seminar/workshop in Computer-Aided Drafting (CAD) for H.I.S.D. Industrial Technology Teachers – June 1996

Served on National Association of Industrial Technology (NAIT) Re-accreditation team at California State University – Fresno, CA – April 1996

Served on thesis committee for Ms. Cheryl Early-Green (Transportation) – March 1996

Attended the National Convention of the National Association of Industrial Technology (NAIT) in Savannah, GA – October 1995

Served on thesis committee for Ms. Chin-Feng Kung (Transportation) – March 1995

Presented Lecture on Geographical Information Systems (GIS) for FIPSE Program at the University of Iowa – July 1995

Served on dissertation committee for Ms. Waltine Bourgeois (Education) – March 1994

Presented Computer-Aided Design Demonstration for High School Students from Fort Bend County – April 1994

Attended Autodesk University Conference in San Francisco, CA – October 1993

Conducted Computer Seminar for Technology Faculty at Post-Academic Workshop – May 1993

Served on dissertation committee for Ms. Frankie L. Patterson (Education) – May 1992

Served on Evaluation Team for Industrial Arts Programs in H.I.S.D. at Austin High School – March 1991

Developed coursework for Houston Independent School District (HISD) Industrial Technology Workshop – June 1990

Served on dissertation committee for Ms. Charity N. Ndeya (Education) – June 1988

Served as Visiting Professor at AT&T Information Systems in Denver, Colorado – Summer 1987

Served on dissertation committee for Ms. Patricia B. Huntington (Education) – March 1987

Served as Education Specialist for the National Association for Trade and Technical Schools (NATTS) Evaluation Team – September 1986

PROFESSIONAL MEMBERSHIPS :

Member of the American Design and Drafting Association (ADDA)

Member of the Association of Technology, Management, and Applied Engineering (ATMAE)

Member of Epsilon Pi Tau (International Honorary for Technology Professions)

ACCOMPLISHMENTS :

Redeveloped coursework using SolidEdge and Unigraphics NX software for Drafting 132, 133, 233, and 430 – August 2006

Proposal was funded by USAID and EDS-PLM Solutions in conjunction with Prairie View A&M, Texas Southern, and Tuskegee for training, equipment, and software for Makerere University, Kampala, Uganda – February 2004

Completed textbook entitled: “*Design Modeling Using Solid Edge*”, Kendall/Hunt Publishing Company, Dubuque, Iowa 2003

Promoted to rank of Associate Professor of Industrial Technology in the School of Technology at Texas Southern University - December 1994

Appointed Department Chair of Industrial Technologies in the School of Technology at Texas Southern University – September 1994

Appointed to the University Automated Information and Telecommunications Council (AITC) – November 1993

Received Chapter Volunteer Award from Vocational Industrial Clubs of America (VICA) – Stephen F. Austin High School – May 1992

Received a Certificate of Completion for a 3-day course in Total AutoCad Training at the MicroCAD Education Center in Austin, Texas – December 1989

Appointed Coordinator of the Drafting and Design Program – October 1989

Granted Tenure at Texas Southern University – July 1988

Submitted Article for Publication to The Journal of Industrial Technology entitled “Curricular Content of an Introductory CAD Course” – June 1988

Voted Most Outstanding Teacher in the School of Technology – March 1988

Developed curriculum for Basic Computer-Aided Design courses in the School of Technology – January 1988