

Summary of Credentials and Experience of Collin County Community College District Department Chairs

Name: Wayne A. Jones

Title: Associate Dean and Professor

Chair – Engineering Transfer, Computer Networking, Electronics, Semiconductors
and Telecommunications

Years of CCCCD Service: 2.5 years

Academic Preparation:

Institution: Louisiana State University – Baton Rouge, LA

Highest Degree: Master of Science

Major/Discipline: Engineering/Electrical Engineering

Institution: Southern University and A&M College – Baton Rouge, LA

Other Degree: Bachelor of Science (Honors)

Major/Discipline: Engineering/Electrical Engineering

Institution: Nicholls State University – Thibodaux, LA

Other Degree: N/A

Major/Discipline: Pre-Engineering

Other relevant Certification/Licensure:

Passed Fundamentals of Engineering Exam

FCC Radiotelephone License with Ship's Radar Endorsement

Professional Experience:

Current Position:

Collin County Community College District

Dates: August 2001 – Present

Primary Responsibilities:

- 1) Assist in planning, coordinating and evaluating the instructional programs and processes for the division to meet industry needs.
- 2) Participate in the selection of full-time faculty and make hiring recommendations for associate faculty for assigned disciplines. Assist in evaluating faculty, evaluate associate faculty, assist in conducting faculty meetings and workshops, order textbooks, coordinate schedule creation and entry based on statistics, and perform other related administrative activities.

- 3) Make full-time and associate faculty assignments to classes with approval by the Dean. Make hiring recommendations and supervise lab assistants to ensure lab availability for students.
- 4) Coordinate Advisory Committee ensuring that they are properly composed, meet according to guidelines, and are actively engaged.
- 5) Coordinate monthly division information sessions.
- 6) Work with advising, registration, and the bookstore to ensure smooth registration activities for the assigned programs in the division.
- 7) Review and analyze data for the development and improvement of programs in the assigned disciplines, including analysis of the program evaluation results. Take appropriate steps to implement approved recommendations within the division.
- 8) Assist in providing leadership in the development and implementation of the strategic plans for assigned disciplines.
- 9) Assist in formulating and recommending annual budget requests for the assigned disciplines. Work closely with the Dean to ensure operations are conducted within the approved budget.
- 10) Work closely with the Dean to develop articulation agreements with other institutions and agencies and provide appropriate documentation regarding acceptance/transferability of students' credits.
- 11) Teach half to three-quarter load of credit and/or continuing education courses, depending on the number of students being enrolled.
- 12) Work closely with other departments or divisions in offering concurrent enrollment courses, continuing education courses, and industry-based certificate programs.

Alcatel USA, Plano, TX

Software Development Engineer –Technical Lead

Dates: 1997 to 2001

Primary Responsibilities:

- Integrated, tested, and developed broadband (softswitch) next generation voice/data telecommunications switching networks featuring Voice over IP, Voice over ATM, Fast Ethernet, Gigabit Ethernet, access/trunking gateways.

- Designed and developed network tools and instrumentation that facilitated a 100% desktop testing environment for call processing (MegaCo/MGCP, SS7, OC3, SONET, ISDN, X.25, InBand, T1/E1) engineers.
- Performed software/hardware installation, implementation, and testing of new software package releases on internal and external customer sites including customer training and post installation support.
- Administered network including software/hardware configuration management for Alcatel's development and test internal telecommunications switching network.
- Received numerous incentive awards for outstanding technical contribution and consistently ranked as an "exceeding expectations" performer and "excellent" team player by supervisor.

Center for Advanced Microstructures and Devices (LSU), Baton Rouge, LA
Graduate Research Engineer

Dates: 1993 to 1997

Primary Responsibilities:

- Conducted X-ray and ultra-violet optical lithography and processing of semiconductor wafers within a Class 100 clean room facility.
- Researched and characterized the physical transport mechanisms and surface effects of III-V advanced semiconductor systems such as InAlGaAs/InGaAs Hetero Junction Bipolar Transistors (HBTs).
- Utilized synchrotron light source to research and design sub-micron and micro-electro-mechanical systems (MEMS).
- Investigated and developed pressed and thick photo resist technology – reported results at annual symposium.

Ameritech, Milwaukee, WI
Management (Ameritech Scholar)

Dates: 1990 to 1991

Primary Responsibilities:

- Designed and implemented computer programs utilizing database management software and Bellcore's Trunks Integrated Record Keeping System (TIRKS).
- Generated reports on central office frame fill that are beneficial in forecasting future inventory requirements and capital investment.
- Assessed and evaluated new and emerging information technology software and systems.

Professional Development Activities (within the past two years):

- Trained Accreditation Board for Engineering and Technology (ABET) Evaluator

- Authored and presented paper at the American Society of Engineering Education Conference
- Co – Author of proposed paper to be presented at the 2004 American Society of Engineering Education Conference.
- Presented talk on Electro – Optics at the Technology In Education Seminar (TIES) held at Collin County Community College

Other Academic Honors/Significant Accomplishments:

- Co – Director of \$30, 000 grant funded by the Texas Higher Education Coordinating Board to provide financial support to “first generation” college students.
- Established Institute for Electrical and Electronic Engineers (IEEE) Student Chapter.
- Engineering Articulation Agreement with Southern Methodist University.
- Eta Kappa Nu (Electrical Engineering), Phi Alpha Theta (History), Alpha Lambda Delta, and Phi Eta Sigma Honor Societies.