

PHIL DUCOTE
2600 Suncrest Drive
Buford, GA 30519
770-833-4126 Mobile

QUALIFICATIONS

- Formally certified by Georgia Professional Standards Commission with T-7 Teaching certificate (6-12) in Technology Education and Trade and Industrial Education. Certificate currently expired (2010) but renewal in progress.
- Comprehensive background with experience, formal education, and achievements in the areas of teaching/training, curriculum development, counseling, electrical engineering, staff supervision, quality control, business management, and customer service
- Experienced in Acoustics, loudspeaker measurement and design, active and passive crossover network design and testing.
- Strengths include excellent leadership, organizational, interpersonal, and problem-solving abilities.
- Assisted University of Georgia and DTAE in developing and implementing Electronics and Telecommunication curriculum standards for high school and post-secondary institutions.
- Published article, *Generating Interest in Technical Careers Using Lasers* for *Journal of Physics Education*.
- FCC General Class license.
- Listed in *Who's Who* in teaching.
- Sponsored robotics team (Botball) that won consecutive State Championships (2004-2005).
- Sponsored teams (Technology Student Association) in CAD, Robotics and system controls that won or placed in State Competitions (2003-2004).
- Advisory committee member in Technology Education for Georgia Professional Standards Commission.

EDUCATION

UNIVERSITY OF GEORGIA, Athens, GA

- Doctor of Education in Vocational Education
- Master of Education in Trade and Industrial Education

UNIVERSITY OF LOUISIANA, Lafayette, LA

- Bachelor of Science in Electrical Engineering
- Bachelor of Science in Industrial Technology

Military Schools and Seminar Training

- Officer Training School
- Missile maintenance, security, and Launch Officer training
- Summer workshop training at Rochester Institute of Technology in Solid Modeling, Digital Electronics, Computer Integrated Manufacturing and Architecture and Civil Engineering.
- Seminar training at Autodesk training facility for Autodesk Inventor, Architectural Desktop, and Autodesk REVIT Architectural and Engineering CAD software.

PROFESSIONAL EXPERIENCE

2014-Present

AUDIENCE A/V

Speaker System Designer

- Test and documentation of individual loudspeaker drivers, Design and testing of full range loudspeaker systems including design, integrating and testing crossover networks. Also includes CAD solid modeling drawing documentation of prototype enclosures.

2007-2014

HICKORY AUDIO LAB

Audio Engineer

- Design and building of custom loudspeakers, testing, repairs and modifications of existing loudspeakers. Design and Consultation and treatment of acoustics. Audio equipment consultation and setup.

2000–2007

BUFORD HIGH SCHOOL, Buford, GA

Pre-Engineering Teacher

- Taught courses in Science and Pre-Engineering curriculum that include Solid Modeling CAD, Digital Electronics, Robotics, Computer Integrated Manufacturing, and Architecture and Civil Engineering.

1998–2000

DEPARTMENT OF TECHNICAL AND ADULT EDUCATION—QUICKSTART DIVISION, Atlanta, GA

Consultant

- Developed and published industries' technical and safety training manuals. Topics included Introduction to RF Communications, Cellular Theory, Switchgear, Electrical Panel and Rack Wiring, Electrician Training, and Manufacturing Processes. Provided training in Industrial Safety, Electricity, Electronics, Mathematics, Physics, and Wireless (Cellular) Communications

1985–1998:

1994–1998

GWINNETT TECHNICAL INSTITUTE, Lawrenceville, GA

Telecommunications Instructor/Program Director of Telecommunications Technology

- Taught all beginning, intermediate, and advanced Telecommunications courses to Diploma and Associate degree students.
- Performed all class scheduling, advisement, and job placement.
- Taught several Math and Physics courses to various Diploma students.

1985–1994

Electronics Instructor/Program Director of Electronics Technology

- Utilized communication and technical expertise to provide quality instruction to students in several courses in Electronics Technology program for Diploma and Associate degree students.
- Conducted all class scheduling, advisement, and job placement.

1984–1985

SOUTHERN TECHNICAL COLLEGE, Lafayette, LA

Electronics Instructor

- Taught several courses in Electronics curriculum for Associate degree students.

1981–1983

FURLOW-PHILBECK CONSULTING ENGINEERS, Lafayette, LA

Project Engineer

- Performed high quality design of electrical and pneumatic safety systems for offshore oil production platforms.

- Integrated safety system to environmental protection system.
- Wrote corresponding safety manuals describing calibration and operation of Emergency Shutdown System.

1980–1981

THREE PHASE AUDIO, Lafayette, LA

Owner

- Oversaw all phases of business management and development involving consumer electronics retail sales and warranty repair station.
- Supervised employees, maintained inventory, and ensured highest level of quality control.

1978–1979

CENTRAL LOUISIANA ELECTRIC COMPANY, Bunkie, LA

Communications Engineer

- Assisted in maintaining and installing inter-companies telephone system and SCADA system.
- Performed safe and efficient installation and maintenance of Microwave Communication System.

1974–1977

BRUTE FORCE AUDIO, Lafayette, LA

Electronics Technician

- Managed warranty station repair for several consumer electronics brands.
- Performed troubleshooting and maintenance of equipment.

1970–1973

U.S. AIR FORCE

Officer—Missile Maintenance, Readiness & Security

- Progressed through ranks of increased complexity and responsibility, advancing to rank of First Lieutenant.
- Held Top Secret Security Clearance.
- Utilized leadership and technical skills to manage activities of nuclear facility.
- Supervised and coordinated employees on safety and quality control.

PROFESSIONAL ORGANIZATIONS

- Georgia Association of Educators (GAE)
- Technology Student Association (TSA)
- Georgia Industrial Technology Association (GITEA)
- Audio Engineering Society (AES)