

Rick White

W O R K H I S T O R Y

- ***Faculty Instructor Half-time position
Industrial Technology Program
College of Agriculture, Arkansas State University
2008-Present***
- ***Adjunct Instructor
Industrial Technology Program
College of Agriculture, Arkansas State University
1995-2008***

Courses taught include:

- Statistics
- Operations Systems Research
- Quality Assurance
- Programmable Logic Controllers
- Principles of Technology
- Financial Accounting
- Legal Environment of Business

- ***Senior Engineer, City Water and Light
1993-Present***

- ***Project Engineer*** for Electrical Projects. Responsibilities include substation design, construction, upgrades, controls and relaying.
- ***Project Engineer*** for installation of:
 - (2) LM2500 Turbine Generator Sets. Project cost: 30 million USD. 1999.
 - (3) LM6000 Turbine Generator Sets. Project cost: 50 million USD. 2000, 2003, 2007.

Engineering responsibilities: All electrical system integration including switchgear, relaying, controls, bus, transformers and breakers.

Program responsibilities:

- 1) Selecting a general construction contractor and engineering firm.
- 2) Negotiating contracts for plant removals, new construction, and turbine and generator overhauls.
- 3) Approval of all procured equipment and services.
- 4) Approval of all invoices and payments.
- 5) Coordination of project schedule, and weekly program meetings with contractors.

- **Senior Engineer, McDonnell Douglas Corporation 1987-1993**

USAF F-15 Armament Group:

- Created weapons installation drawings and performed weapon separation studies.

USMC AV-8B Forward Fuselage Manufacturing Line:

- Served as Liaison Engineer between Manufacturing and Engineering.
- Completed training in Taguchi Experiment Design Techniques.

USAF Advanced Tactical Aircraft, Advanced Armament Design Group:

- Developed new armament carriage and release concepts utilizing electronics, hydraulics and mechanical mechanism studies.
- Wrote custom PC programs for performing dynamics analysis.
- Co-authored technical documents and made technical presentations to company personnel and military customers.

New Aircraft and Missile Products Division

Classified Program - Research and Development:

- Conducted trade studies to select an advanced armament carriage and release concept for design, fabrication, and testing.
- Performed detail designs for mechanisms, hydraulics, and controls.
- Coordinated with suppliers and manufacturing during fabrication phase of program.
- Developed test plans and procedures for laboratory testing of hardware.
- Conducted testing of hardware to assess performance against program goals.

E D U C A T I O N

- Master of Science in Engineering Management, University of Missouri-Rolla, 1993
- Bachelor of Science in Engineering-Mechanical, Arkansas State University, 1987

I N T E R E S T S & A C T I V I T I E S

- East Chapter President of Arkansas Society of Professional Engineers, 1997
- East Chapter Mathcounts Coordinator, 1996-1998
- Member of Leadership Jonesboro Alumni - Class of 96
- Loaned Executive for Jonesboro United Way - 1996 Campaign
- Enjoy chess, tennis, and music

L I C E N S E S & C E R T I F I C A T E S

- Licensed Professional Engineer - Arkansas State Board of Registration, 1995