



*CREDIT INSTRUCTIONAL STAFF VITAE

Brazosport College Mission Statement: Brazosport College exists to improve quality of life by providing certificate, associate and baccalaureate degree programs, academic transfer programs, workforce development, and cultural enrichment in an efficient and cost-effective manner. The board, faculty and staff are committed to student success and lifelong learning by responding to student needs, creating a dynamic learning environment, and enriching our communities.

Name: Michael C. Morrison

Teaching Discipline/Trade: Technical Advisor (Operations) Dow
Chemical

Full-Time _____

Adjunct X

Educational Background, (earned degrees from each higher education institution) example below:

Process Technology Degree- Brazosport College- Graduated 2003 (GPA 3.53)

Work Experience in the teaching discipline/trade, (beginning and ending dates, position, name of business) example below:

2013-2021 Dow Chemical: M&E Technician Leader: Main responsibilities for the Amines and Utilities areas of the plant but my experience gives me the liberty for the responsibility of the entire plant process including Phosgenation and Finishing. Daily responsibilities include maintaining running plant reliability, production targets and quality by reviewing all the plant systems for optimum performance, environmental, safety concerns, and interacting as well to drive production. Working with maintenance on scheduling and updating the stasis of ongoing jobs. Being a mentor/coach for the operations group while pushing for a team orientated atmosphere that includes all personnel getting involved in daily activates. One on one training of outside/board operators and engineers. Heavily involved in plant troubleshooting from plant upsets, start-up/shutdowns and maintenance activates (set priorities). Work permit and procedure use audits to establish a safe working environment. Create, review, and update operational procedures, including critical procedures. Track long term unit performance (fouling, quality, degradation). Understanding LOPA scenarios and determine real limits vs alarms (how safe to push unit). Management training (Power to Influence, Investment in Excellence I&II, Turnaround Excellence Academy). Given the responsibility to run Graveyard shift Turnarounds for coordinating and planning a 45-day outage in 2017 and two 14-day outages in 2018. One of the outages in 2018 the team only had 6 weeks to plan and execute an unplanned process event that disrupted inventory supply. Sadara (Saudi Arabia) project work with the TDI plant to resolve finishing tower issues. Involved with community volunteer project (Beach cleanup) and member of Dow ERG Vet net, Prime and IFL network.

2004-2013 Dow Chemical: Board/Panel operator responsible for all areas of the process involved in PMDI production. Responsible for Operating the plant in a safe manner to insure equipment integrity and that quality targets are met. Trouble shooting plant problems and collecting data to help make correct decisions during plant upsets. Help train and pass on board/panel plant operations knowledge to others. I also spend a considerable amount of time outside in the field with equipment clearing activates and creating isolation packages for maintenance jobs and shutdowns.

Responsible for block training of new Board/Panel operators thru scheduled training program.

Shutdown coordinator Package/Procedure development for PMDI shutdown:
March 2008, February 2010 and February 2011 and upcoming April 2014 shutdown.

Effective working knowledge of Dowtran/MOD code, Work order system, RCI investigations, EH&S program, MTL, Logbook, Microsoft computing systems: Outlook, Word, Excel and PowerPoint.

2003-2004 Operator Dow Chemical: Prior to Startup of the plant, I was responsible for implementing the training and operating discipline programs, planning and executing Commissioning and Pre-Startup activities, and supporting Construction activities. Furthermore, I worked as a team member to define and implement activities needed to reach and maintain the desired Empowerment levels, and to create and sustain the desired working culture.

2000-2003 Distribution Operator Styrene Logistics (Dow): The safe loading and inspection of rail cars and tank trucks with Styrene & EB. Proper valve line up and product calculations for transfers to styrene tanks in plants A & B. Run PH, TOC, GC analysis on sump material. Training new employees into the block. Member of Budget, LOPC & Safety team. Rewrite or produce new procedures when needed.

1997-1999- Ultra Sonics (UT) NDT Instructor- Teaching curriculum included: UT inspection through the theory of sound and sound wave propagation, Transducer design, Instrument controls and functions, Material velocity, Laws of Reflection, Refraction, and mode conversion.

1994-1999- Commercial Diving Instructor the Ocean Corporation-Teaching curriculum included: First-aid, CPR, Physics/Physiology, Rigging, Basic Commercial Diving & Tending, Emergency Procedures, Open water Training, Deep Air & Gas Diving, Bell & Saturation Diving, Welding & Underwater Burning.

1988-1993- Commercial Diver American oil field Divers- Responsibilities included repair and operation of sub-sea well's, valves, pipeline repair, salvage, underwater welding & burning in water depths up to 300fsw. Also responsible for the training and safety supervision of divers, tenders, and other members of the crew.

1986-1988 - Stationed with 4th Marine Division- East coast operations

Teaching Experience, (*beginning and ending dates, position, name of institution*) example below:

1994-1999- Commercial Diving Instructor-Teaching curriculum included: First-aid, CPR, Physics/Physiology, Rigging, Basic Commercial Diving & Tending, Emergency Procedures, Open water Training, Deep Air & Gas Diving, Bell & Saturation Diving, Welding & Underwater Burning.

1997-1999- Ultra Sonics (UT) NDT Instructor- Teaching curriculum included: UT inspection through the theory of sound and sound wave propagation, Transducer design, Instrument controls and functions, Material velocity, Laws of Reflection, Refraction, and mode conversion.

Professional Contact Information (*optional : office telephone number and/or institutional email address*) example below:

- 979-864-0933

*Texas Administrative Code, Title 19, Part 1, Chapter 4, Subchapter N, Rule §4.228 requires that each public institutions of higher education make available to the public on the institution's website the following information on each undergraduate classroom course offered for credit.