

Advanced Analytical Services

A Comprehensive Range of Services that are Custom Designed

Trained specialists with over 200 years of combined analytical experience cater to a broad market.

With our broad network of local and regional offices, Triad is dedicated to providing clients with the highest level of expertise and support for advanced analytical services. We look forward to discussing your next project.

Did you know?

Triad offers certified Universal chiller repair service. [Let's Talk About Your Next Project](#)

ADVANCED ANALYTICAL SERVICES

Consulting, Feed Study, Site Surveys and Selection
Analytical Maintenance Contracts (AMC)
System Design, Integration & Fabrication
On-Site Supervision and Troubleshooting
Commissioning and Startup
Technical Support and Training Solutions
Project Management and Field Installation
Certified Universal Chiller Repair

Did You Know?

Triad has a team of professionals with well over 200 years of combined experience. All are qualified for Infrared, Gas Chromatograph, CEMS, TDL, HRVOC, Gas Density, UV/Vis, FTNIR, and Zirconia technologies.

From phone support to project management, analytical applications and field service



The image shows a brochure for Advanced Analytical Services. The top left features the company logo, a stylized 'A' inside a circle, with the text 'ADVANCED ANALYTICAL SERVICES' and the tagline 'Providing you with the right team and the right solution every time.' The top right shows a photograph of an industrial facility. The middle section is divided into two columns: 'ABOUT US' and 'WHAT WE DO'. The 'ABOUT US' section states that the team consists of 150+ professionals with over 200 years of combined experience, and that their regional offices are dedicated to providing the highest level of expertise. The 'WHAT WE DO' section lists several services: Consulting, Design, Selection, System Design, Integration & Fabrication, Commissioning & Startup, Project Management & Installation, Analytical Maintenance Contracts (AMC), On-Site Supervision & Troubleshooting, and Technical Support & Training Solutions. Below this list, it says 'We are excited for the opportunity to become your advanced analytical solutions provider!'. The bottom of the brochure features a photograph of an industrial facility and the text 'Need a solution? Contact us today!' followed by the name 'Mike Kinder', the phone number '318.282.4720', and the fax number '318.276.2551', along with the email address 'mike_kinder@newburg.com'.

instrument expertise, we are ready to **Click to Download** collaborate on your next project.

Since our inception our goal has been to train using state of the art technology.

CURRENT COURSES

01

SAMPLE SYSTEM BASICS FOR THE ANALYZER TECHNICIAN

For the analyzer technician, this class will approach SHS issues that may encountered daily to offer potential solutions.

The image shows a webpage for a course titled "SAMPLE SYSTEM BASICS". At the top, there is a logo and the tagline "Providing you with the right team & the right solution every time". Below the title, there is a "COURSE DESCRIPTION" section. The description is organized into several numbered points:

- 1. OBJECTIVE/PURPOSE**: In this section we will look at determining if a measurement is needed and if so, what the purpose of the measurement will be.
- 2. TAP LOCATION**: In this section we will look at factors that need to be considered when choosing a new sample tap location, as well as evaluating existing tap locations.
- 3. TRANSPORT SYSTEM**: In this section we will look at the sample transport system and how to deal with lag time with liquid and gas samples.
- 4. CONDENSING SYSTEM**: In this section we will look at what it takes to condense the sample so that the analyzer has a suitable sample.
- 5. PHASE GASES**: In this section we will discuss how to maintain the correct phase for the sample. We will also be looking at pressure and temperature effects on our sample.
- 6. CALIBRATION/VALIDATION**: We will discuss the difference between calibration and validation and some things we need to consider when performing a calibration.
- 7. BASIC ANALYZER CHEMISTRY**: In this section we will look at our sample from a non-technical chemistry standpoint and touch on some basic chemistry elements that will help the analyzer perform its main responsibility in their lab.

At the bottom of the page, there are social media icons for LinkedIn, Facebook, and Twitter, along with a contact information section that says "Need a solution? Contact us today to schedule!" and "Call: 478-372-1122 | info@shs.com".

Download Course Description

02

ANALYZER TECHNICIAN 101 COURSE

Introduction to various technologies a new analyzer technicians may encounter, as well as basic chemistry and sample system maintenance.



Download Course Description

03

CEMS SYSTEM BASICS COURSE

Introduction to the technology and hardware used in a CEMS system, covering topics such as installation, maintenance, troubleshooting, data analysis and documentation.



Download Course
Description

Did you know?

Triad offers Analytical Competency Programs. Call us today to customize a program for your group. We can tailor our affordable refresher classes to meet your specific needs, which will help keep your technicians competent.

COMING SOON

BASIC ANALYZER INSTALLATION FOR CONSTRUCTION

This class will help the customer or contractor identify potential issues with the installation the of their equipment, as well as how to avoid common pitfalls before and during the installation.

TUNABLE DIODE LASER OVERVIEW

The course offers an introduction to basic theory, operation, troubleshooting and maintenance of the tunable diode laser (TDL) analyzer.

BASIC CHROMATOGRAPHY

This course offers an introduction to basic theory, operation, maintenance and troubleshooting of the GC.

INTRODUCTION TO CHEMISTRY (For the Analyzer Technician)

This class will introduce the technician to chemistry in an easy-to-understand format. Hands-on experiments will help reinforce learning. *No prerequisites.*

INSTRUCTORS



JEFF OWENS

SENIOR INSTRUCTOR/PROGRAM DESIGN & LEAD

Jeff Owens has been in the analytical industry over thirty-five years. His industry experience includes more than thirty years of hands on work in a major "Petrochemical" plant in the gulf coast area. His work as a senior analytical specialist working on process equipment provided him with an extensive working knowledge of a multitude of technologies and equipment manufacturers. He was heavily involved in the research and development of a well-known and time proven laser spectroscopy instrument. As a senior instructor he is an exceptional technical writer and presenter. Jeff has traveled the world providing training to clients and coworkers.



NATE GOMEZ

LEAD INSTRUCTOR- MATERIAL DESIGN

Nate Gomez served in the United States Navy before beginning his career in the analytical industry. Nate moved swiftly from his position as a service technician with a major analyzer manufacturer into the position of Service Supervisor and Lead Instructor. Nate has over ten years' experience as a lead service technician for two major manufacturers and has traveled all over the world installing, servicing and training on both brands.



JEFF DODSON

LEAD INSTRUCTOR- MATERIAL DESIGN

Jeff Dodson began his career as an analytical specialist with

a specialty trade contractor to the petrochemical industry. He was nested as a contractor in two major plants on the gulf coast. This allowed him to experience maintenance and repair on a large variety of analytical equipment and instrumentation. As a lead specialist in his last contract position he was a project manager overseeing more than two to three major projects and five to ten minor projects at the same time. His experience includes the implementation of new applications, including those he designed and built himself. He has worked as a service technician, technical writer and trainer for a major analytical manufacturer. Jeff has over fifteen years in the business and has traveled the world performing project management, analyzer startup, commissioning, maintenance and repair as well as formal client training.



TODD RATAJCZAK

LEAD INSTRUCTOR- MATERIAL DESIGN

Todd Ratajczak began his career as a senior analyzer specialist after obtaining his MS in chemistry. He has over ten years' experience working for a major manufacturer. Todd's focus is in the spectroscopy discipline and he has an extensive background in chromatography and application design. Todd has traveled the world performing startup, commissioning, troubleshooting, training and various other analytical tasks.

