



# QTECH-SOL PROFESSIONAL DEVELOPMENT CENTER

## Job Focused Clinical Science Courses



### SAS Basic Programming (BSAS)

SAS **Base**  
SAS **Macros**  
SAS **SQL**



### What you should consider before starting career as SAS Programmer:

- Have SAS software available for daily practice
- Be SAS certified, but continuously develop new skills to stand out from the crowd
- Stay competitive on the job market - industry demand is changing and employers' expectations are increasing, be on the top of technological change
- Know trends of the selected industry you are interested in (for instance, do you know how to use SAS in clinical, financial, or healthcare domain?)

## Self-Paced Online Training

### Our Mission

Our mission is to provide the best-in-class job oriented certification and skill based courses towards Clinical research, Drug Safety, Pharmacovigilance, Clinical Data Management, Clinical SAS Data Analytics and Healthcare business. We offer Entry-Mid and Senior programs for students and professionals, looking for skills refresh or career advancement

## CAREER FOCUSED PROGRAM

(Learning for Job)

# SAS Basic Programming - Lessons

## SAS Base

1. About SA Institute
2. Introduction to SAS
3. Components o SAS Program and Code Writing
4. Running SAS Programs
5. Mastering Fundamental Concepts
6. Diagnosis and Correcting Syntax Errors
7. SAS Options
8. Types of Input Statements
9. SAS Format and Informat
10. Using Advanced Input Techniques
11. SAS Date and Time
12. Subsetting, Combining and Sorting Datasets
13. Merging and Updating Data
14. Performing Conditional Processing
15. Performing Iterative Processing – Looping
16. Creating Customized List Reports
17. Arrays
18. Creating Enhancing List and Summary Reports
19. Creating Proc Tabulate

## SAS Macros

1. Fundamentals of Macros
2. Macro Application
3. Macros Program Structure
4. Macros Statements
5. Macro Variables
6. Macro Functions
7. Writing Macro Programs

## SAS SQL

1. Introduction to the SQL Procedure
2. Retrieving Data from a Single Table
3. Retrieving Data from Multiple Tablets
4. Creating and Updating Tables and Views
5. Programming with the SQL Procedure
6. Practical Problem-Solving with PROC SQL

**Are you SAS certified already?**

**Keep in mind that SAS language covers a vast scope - start our SAS Modules training and gain additional skills!**

Strong SAS programming skills are required and SAS Base certification is surely the starting point. However, you should consider learning additional modules which will straighten your in-depth understanding of SAS software

- Are you SAS Base certified? Exceed beyond your current capabilities! Learn SAS Macros, SAS Sql.
- Are you SAS Advanced certified? Keep adding new skills! Train your SAS Stat and SAS Graph skills

# Are you non-experienced programmer? Are you pursuing entry level position? Do you know...?

For some of the employers your educational background will matter!

## Hiring Clinical SAS Programmers:

99% of the employers choose candidates with **biostatistics** degree  
60% of the employers choose candidates with **bioinformatics** degree  
60% of the employers choose candidates with **biotechnology** degree  
20% of the employers choose candidates with **public health** degree

## Hiring Financial SAS Programming:

40% of the employers choose candidates with **statistics** or **mathematics** degree  
40% of the employers choose candidates with **finance** or **economics** degree

Do you want to know more about current industry trends and statistics?  
**Connect with us**



## Contact Information

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