



CLINICAL STUDY ACADEMY

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Clinical Study Academy

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ABOUT US

Clinical Study Academy is one of India's fastest-growing institutes in Clinical Research Training & Career Development.

Our mission is simple “To build Next-Gen Clinical Research Professionals.”

With an industry focused curriculum, expert mentors, and practical learning, we ensure students don't just gain knowledge but also develop real-world skills.

Our alumni are now working successfully in top MNCs, Pharma Companies, and CROs worldwide.



Clinical Study Academy

OUR MISSION

At clinical study academy, our mission is to provide high-quality educational services to students of all ages and backgrounds. We believe that education is the key to unlocking a brighter future for all.

EXPERIENCED EDUCATORS

Our team of experienced educators are passionate about teaching and have a wealth of knowledge in their respective fields. They are dedicated to helping students succeed and reach their full potential.

COURSES & DURATION

CLINICAL SAS

MONTHS

SAS (Base + Advance):	2 Months
Clinical (Overview + Project):	1.5 Months
Base SAS exam preparation:	1 Month
Internship:	3 Months

ADDITIONAL COURSE

MONTHS

Biostatistician:	3 – 4 Months
R Programming:	2 Months
Python:	2 Months
Power BI:	1 Month



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COURSE CONTENT

BASE SAS TOPICS

Introduction

- Introduction of SAS software.
- Industries using SAS
- Why SAS and why not R or Python
- SAS access and Installation
- Introduction to SAS Windows.

Data & Library

- Types of Data
- Overview of SAS Data Sets.
- Basic rules in SAS
- Library & Types of Libraries.
- Creating and managing SAS Libraries.
- Referencing SAS files.
- Working of PDV





Creation database from raw data

- Steps to create a SAS dataset.
- Creating SAS dataset using text file.
- Creating SAS dataset using text file with delimiters.
- Creating SAS dataset using Excel file.
- Creating Raw Datasets using various input methods.
- Use of INFILE Statement and Its options
- Output Delivery System (ODS)
- Output of ODS in different format.

Functions

- Character function
- Concatenation function
- Numerical function
- Mathematical function
- Date & Time Function



Combining the datasets

- Horizontal
- Vertical

Loops in SAS: Do Loops

- Iterative Do Loop
- Conditional Do Loop

Array

- Definition of array
- Example of array



INFILE statement options

- Flowover
- Missover
- Stopover
- Truncover
- Scanover
- DSD
- DLM

Operators

- And
- Or
- In
- Like
- Contain
- Between
- Greater than
- Less than
- Equal to
- Not equal to

Option

- Firstobs
- Obs
- Keep
- Drop
- Rename



Statements

- Keep
- Drop
- Rename
- Length
- Retain
- Label
- Title
- Footnote

Conditional statement

- If
- If then
- If then output
- If then else
- If then do
- Where
- Select when
- Select otherwise
- First dot
- Last dot
- Missing
- Not missing



Procedures

- Procedure Means.
- Procedure Freq.
- Procedure Format.
- Procedure Transpose.
- Procedure Import.
- Procedure Export.
- Procedure Contents.
- Procedure Report.
- Procedure Append.
- Procedure Compare.
- Procedure Datasets.
- Procedure Chart.
- Procedure Summary
- Procedure Sort
- Procedure Univariate
- Procedure Rank



ADVANCED SAS TOPICS

Proc SQL

- Introduction to Proc SQL Statements.
- Functions in Proc SQL.
- Creating Datasets using different methods.
- Conditional Processing in Proc SQL.
- SQL Joins.
- Techniques.
- Compare solving a problem using the

Macro

- Create and use user-defined and automatic macro variables within the SAS Macro Language.
- Ways to Create macro.
- Difference between Positional Parameters and Keyword Parameters.
- Automate programs by defining and calling macros using the SAS Macro Language.
- Understand the use of macro functions.
- How to debug SAS Macros.
- How to call SAS Macro from External Location.



CLINICAL SAS TOPICS

Introduction of SAS and Clinical research

- SAS role in Clinical Research.
- Clinical Trial Phases
- Inform Consent Form
- Protocol in Clinical Research
- Case Report Form (CRF) and Annotated Case Report Form (aCRF)
- Introduction to Specification (SDTM-Spec & ADaM-Spec)
- Statistical Analysis Plan (SAP) and its purpose





CLINICAL SAS TOPICS

CDISC Standards

- Introduction to CDISC
- CDISC Standards for Statistical Programmer
- Study Data Tabulation Model (SDTM)
 - Introduction to SDTM
 - SDTM Implementing Guideline
 - SDTM Datasets
 - CRF Annotation
- Analysis Data Model (ADaM)
 - Introduction to ADaM
 - ADaM Implementing Guideline
 - ADaM Datasets
- Table, Listing
- Describe contents and purpose of define.xml



CLINICAL SAS TOPICS

Project-work

- Description to project
- Reviewing Study Documents
(Protocol, SAP, CRF, Spec, Mockshell)
- Creation of SDTM datasets
- Creation of ADaM datasets
- Tables and Listings





ADDITIONAL ACTIVITIES

Activities List

- Sessions to Improve communication skills.
- Tips to clear an interview
- Common interview questions and answers
- SAS interview questions and answers
- Resume building guide
- Statistical programmer role & responsibility from fresher to vice-president
- How to effectively apply for jobs.
- Regular doubt clearing sessions.
- Global SAS certification exam preparation.
- Tracker for monitoring progress
- 3 Month internship



STUDENT JOURNEY

- **Foundation :** Build strong concepts in Clinical Research, Pharmacovigilance, CDM & SAS.

- **Skill Development :** Learn trending tools, software & global regulations with a practical approach.



- **Real-Time Projects :** Work on live case studies to gain industry-level exposure.

- **Career Readiness :** Resume mentoring, mock interviews & direct HR connections.



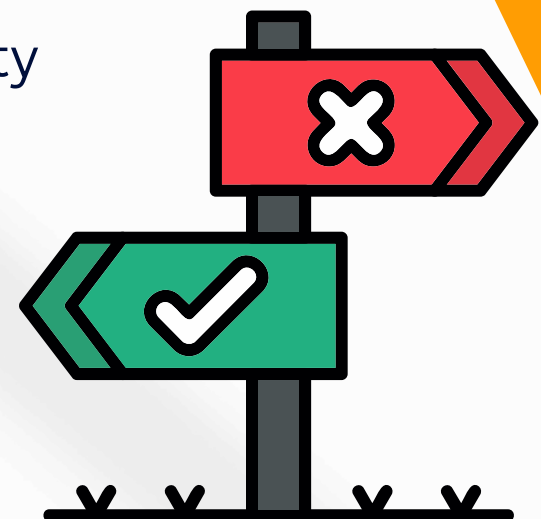
- **Successful Placement :** Step into your dream role in leading Pharma, Biotech & CRO companies.





WHY CHOOSE US

- ✓ Industry-Relevant Curriculum :- Designed as per current Pharma & CRO industry demands.
- ✓ Expert Mentors :- Trainers with 5+ years of real clinical research experience.
- ✓ Hands-on Training :- Practical exposure through projects, case studies & real-world tools.
- ✓ 100% Placement Assistance :- Resume building, mock interviews, HR references & job support.
- ✓ Affordable & Flexible Learning :- High-quality training at student-friendly fees.
- ✓ Career Transformation :- From fresher to industry-ready professional in just a few months!



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SUCCESS STORIES

CSA Student's Now Thriving in MNCs!

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CHOOSE BASED ON YOUR FLEXIBILITY:

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- PRE-RECORDED MODULES AVAILABLE

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