

SAMBODHI



Microsoft



SAS Training Course

Project Based Immersive Learning Course

SAS Training Course Overview

Sambodhi's SAS Certification Training is designed to transform you into an expert in SAS programming. With this training, you will be able to write SAS code and analyze real-world problems, use SAS to work with datasets, and perform advanced statistical techniques to achieve optimal results. Our comprehensive training will enable you to work on analytics, machine learning algorithms, data science statistical and research analytics projects with SAS programming. You will gain expertise in logistic regression and you will have access to sample projects and course materials to deepen your understanding. You will also learn data manipulation, data visualization, and data flow in SAS, making you a skilled SAS professional programmer. You will gain expertise in this area after completing the course.

Benefits of SAS Training Course:

The SAS Training course is designed to offer various benefits to professionals who aim to advance their careers in the field of data analytics. This course is intended to prepare individuals to become experts in data mining, data analysis, and analytics techniques by utilizing SAS components and products. By acquiring expertise in SAS programming, participants will gain the necessary skills to work on analytics, machine learning algorithms, data science statistical and research analytics

projects using SAS programming, facilitating quick and accurate data-driven decision-making. There are numerous job opportunities available for SAS Programmer all over the world. Top companies are actively recruiting SAS programming Professionals.

Who should learn?

The SAS training course is suitable for anyone who wishes to learn SAS programming.

- Students
- Professionals
- SAS Developers
- Analytics Professionals

Also open to other technology professionals who want to gain a solid foundation in this widely used analytical language.

Why do you need SAS Training Course?

Average Salary Growth:

The average salary growth of a SAS professional can vary depending on the industry, job title, and experience. However, according to PayScale, the average salary for a SAS programmer is around \$76,000 per year, with experienced professionals earning up to \$115,000 per year. With the increasing demand for data analytics and the versatility of SAS in various industries, the salary growth potential for SAS professionals is expected to remain strong.

Industries:

SAS professionals are in high demand across various industries and MNCs. SAS is widely used in industries such as healthcare, banking, insurance, retail, government, and many more. SAS skills are highly valued by companies seeking to make data-driven decisions and improve business outcomes. In addition, SAS is used extensively in the field of research and development, including clinical trials and drug discovery. MNCs such as Accenture, Deloitte, IBM, Cognizant, and many more are actively hiring SAS professionals for their analytics projects.

Position in Market:

According to job market research websites like Indeed, Glassdoor, and Payscale, the demand for SAS professionals is expected to grow significantly in the coming years. The job growth projection for SAS professionals is expected to be around 14-15% annually, which is higher than the average for other IT jobs. As businesses across industries increasingly adopt data analytics to improve decision-making and achieve their goals, the demand for SAS skills will continue to rise.

Designations:

- SAS Programmer
- SAS Analyst
- Data Analyst
- Business Analyst
- Statistical Analyst
- Data Scientist
- Data Integration Developer

Why SAS Training Course from Education Nest

- **Free Demo on Request**
- **Live Interactive Learning**
- **Lifetime Access**
- **Flexible Schedules**
- **24x7 Support**
- **One on One Doubt Clearing**
- **Real Time Project-Based Learning**
- **Certificate Oriented Curriculum**

Key Skills Covered:

- SAS Studio
- SAS Interface
- Library Structure
- Import & Export Data
- Prepare Data
- Data Manipulation
- Loops & Arrays
- Proc & Contents
- SAS Programs

SAS Training Course Syllabus

Module 1: Introduction of SAS

- What is SAS?
- Why Choose SAS?
- Industries using SAS
- Components of SAS System.
- Architecture of SAS system.
- Functionality of SAS System.
- Introduction of SAS windows

Module 2: Start Working in the SAS Environment

- Installation SAS University Edition
- Explore SAS GUI, SAS Window and its contents
- Functionality of SAS Windows.
- Creating and managing SAS Libraries.
- Different Datatypes in SAS
- Use of Formats and Informats in SAS
- Storing files temporarily and permanently.
- Referencing SAS files.

Module 3: 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 structured text file.
- Creating SAS dataset using unstructured text file.

- Creating SAS dataset using Excel file.
- Creating SAS dataset using Access file.
- Creating SAS dataset using values inside the code.

Module 4: Output delivery system

- Concepts of output delivery system.
- How ODS works and viewing output of ODS in different format.
- HTML, RTF, PDF etc..

Module 5: Combination the dataset

- One-o-one reading
- One to many
- Many to many
- Concatenation
- Interleaving,
- Match merge

Module 6: Useful SAS Functions

- Character function
- Numerical function
- Arithmetical function
- Mathematical function
- Date Function

Module 7: Statement and Loops in SAS

- In file Statement With Options
- Select Statement
- Leave and Continue Statements
- Where Statement
- If – Then Else Statement

- Goto, Stop And Error Statements
- Output Statement, Put Statement
- Do Loops
- Display Manager Command

Module 8: SAS Arrays and Methods

- Definition of array
- Example of array
- Overview of Methods
- Combining SAS Data Sets

Module 9: Advanced SAS Procedures

- Procedure Format.
- Procedure Contents.
- Procedure Options.
- Procedure Append.
- Procedure Compare.
- Procedure Transpose.
- Procedure Print.
- Procedure Import.
- Procedure Export.
- Procedure Datasets.
- Procedure Tabulate.
- Procedure Chart, Gchart, Gplot.
- Procedure Report.
- Procedure Rank
- Procedure Corr
- Procedure Univariate

Module 10: Graphic Using SAS/Graph

- Introduction to graphics.
- Types of Graphics (with latest models)
- Defining procedure Graphics

Advance SAS Topic

Module 11: PROC SQL in SAS

- Generate detail reports by working with a single table, joining tables, or using set operators in the SQL procedure.
- Generate summary reports by working with a single table, joining tables, or using set operators in the SQL procedure.
- Construct sub-queries and in-line views within an SQL procedure step.
- Compare solving a problem using the SQL procedure versus using traditional SAS programming techniques.

Module 12: Use of SAS Macros

- Introduction to Macros
- Benefits of using SAS Macros
- Create and use user-defined and automatic macro variables within the SAS Macro Language.
- Automate programs by defining and calling macros using the SAS Macro Language.
- Understand the use of macro functions.

Module 13: Introduction of SAS and Clinical research

- SAS role in Clinical Research.
- What is Clinical trial?
- What is Protocol and role of Protocol in Clinical Research?
- Which is playing main role in Clinical Research?

Module 14: Clinical Trials Data Structures

- Identify the classes of clinical trials data (demographic, lab, baseline, concomitant medication, etc.).
- Identify key CDISC principals and terms.
- Describe the structure and purpose of the CDISC SDTM data model.
- Describe the structure and purpose of the CDISC ADaM data model.
- Describe the contents and purpose of define.xml.

Module 15: Transform Clinical Trials Data

- Apply categorization and windowing techniques to clinical trials data.
- Transpose SAS data sets.
- Apply 'observation carry forward' techniques to clinical trials data (LOCF, BOCF, WOCF).
- Calculate 'change from baseline' results.

Career Support

Profile Building:

At Sambodhi and Education Nest, we provide the services of experienced professionals who can offer personalized assistance in crafting your CV and online profiles. They take into account your unique educational and experiential background, ensuring that your job application stands out from the rest.

Interview Preparation:

The upcoming interview preparation service will include personalized one-on-one sessions and the option for mock interviews if needed.

Job Referrals:

At Education Nest, we receive a variety of job requirements from diverse sources such as organizations, our clients, HR consultants, and a vast network of Education Nest currently employed in different companies. We strive to meet these varied requirements to the best of our abilities.

Continuous Support:

At Sambodhi and Education Nest, we provide ongoing support to our learners for as long as they need it. Many of our learners have received multiple job offers and promising employment opportunities as a result of the skills they acquire during our program.