



SAS CERTIFIED ADVANCED ANALYTICS PROFESSIONAL PROGRAM

RC™ Ramaq
Chools
Consulting & Training

CONTENTS

1. Introduction to Advanced Analytics with SAS
2. Why Choose Chools?
3. Who Can Apply?
4. Program Overview
5. Objectives and Outcomes
6. Skills Learned
7. Job Positions and Opportunities
8. Key Industry Verticals
9. Program Outline

- Stage 1: Fundamentals of SAS
- Stage 2: Advanced Analytics Techniques
- Stage 3: Practical Applications
- Stage 4: Certification Preparation
- Elective Modules

10. Enrollment Information



INTRODUCTION TO ADVANCED ANALYTICS WITH SAS

Hello, aspiring analytics professional! The SAS Certified Advanced Analytics Professional program at Chools teaches you how to use SAS software and tools to perform advanced analytics tasks, such as predictive modeling, machine learning, text analytics, time series analysis, optimization, and experimentation. This course prepares and certifies you to demonstrate your ability to analyze big data and solve complex business problems using SAS technologies. Through this course, you can advance your career and increase your earning potential in the growing field of data science and analytics.





Why Choose Chools?

Numbers That Speak for Themselves:

- 10,000+ Successful Alumni: Join a network of impactful professionals.
- 95% Job Placement Rate: Secure your future with Chools' proven track record.
- 20+ Years of Excellence: Trust in a legacy of education and industry expertise.
- 200+ Industry Partnerships: Leverage our connections for real-world insights and opportunities.

What Sets Us Apart?

- **Expert Instructors:** Learn from industry veterans with hands-on experience.
- **Hybrid Learning Model:** Balance online flexibility with in-person engagement.
- **Comprehensive Curriculum:** Stay ahead with courses designed meet market demands.
- **Community and Networking:** Be part of an active community of learners and professionals.

Who Can Apply?

Eligibility Criteria:

- **Educational Background:** A bachelor's degree in any subject, preferably with a STEM background.
- **Skills:** Good command of English.



- 
- **Work Experience:** A minimum of 1 or 2 years of working experience in designing and deploying applications on the SAS platform.
 - **Technical Skills:** Expertise in at least one high-level programming language, ability to identify the requirements of an application, defining best practices for securing the SAS application and deploying hybrid systems with SAS components.

Program Overview

The SAS Certified Advanced Analytics Professional Program at Chools provides an extensive education in advanced analytics using SAS. Our curriculum covers a wide range of topics to ensure a thorough understanding, combining theoretical knowledge with practical, hands-on experience.

Learning Mode:

- **Hybrid Learning Model:** Combines online learning with in-person sessions for flexibility and interactive engagement.
- **Interactive Sessions:** Includes live webinars, workshops, and Q&A forums with expert instructors and peers.
- **Self-paced Learning:** Access course materials anytime, allowing you to learn at your own pace.



Skills Learned

- **Predictive Modeling:** Building and evaluating predictive models.
- **Machine Learning:** Implementing machine learning algorithms.
- **Text Analytics:** Analyzing and extracting insights from text data.
- **Time Series Analysis:** Analyzing time-dependent data and forecasting.
- **Optimization:** Applying optimization techniques to solve complex problems.
- **Experimentation:** Designing and analyzing experiments.
- **Big Data Analytics:** Analyzing large datasets using SAS.
- **SAS Programming:** Writing and executing SAS code.

Job Positions and Opportunities

- **Career Paths:** Data Scientist, Advanced Analytics Professional, Machine Learning Engineer, Data Analyst, SAS Programmer, Data Consultant
- **Industry Demand:** High demand across various sectors, competitive salaries, and strong growth potential.

Key Industry Verticals

- **Skill Application Areas:** Technology, Finance, Healthcare, Retail, Marketing, Telecommunications, Education, Logistics and Supply Chain, Government and Public Services



Curriculum Highlights:

- **Fundamental Knowledge:** Core principles of SAS and advanced analytics.
- **Advanced Techniques:** In-depth understanding of advanced analytics methods and SAS tools.
- **Real-World Applications:** Practical projects and case studies.
- **Certification Preparation:** Comprehensive preparation for the SAS certification exam.

Professional Development:

- **Continuous Learning:** Stay updated with the latest trends in advanced analytics.
- **Networking Opportunities:** Connect with industry experts, peers, and alumni.
- **Ethical Considerations:** Learn best practices and industry standards.

Program Objectives

- Master technical skills in SAS and advanced analytics.
- Implement best practices for designing, developing, and managing analytics solutions.
- Explore various advanced analytics methods and SAS tools.
- Address real-world data science and analytics challenges.
- Understand best practices in cloud security, governance, and compliance.
- Foster continuous learning.
- Encourage teamwork and collaboration.
- Prepare for advanced roles in data science and analytics.

Expected Outcomes

- Proficiency in advanced analytics tools and techniques.
- Practical experience through hands-on projects.
- Strong analytical and problem-solving skills.
- Application of best practices in SAS and advanced analytics solutions.
- Innovation in data science and analytics.



PROGRAM OUTLINE

Stage 1: Fundamentals of SAS

1. Introduction to SAS

- Core principles and tools of SAS.
- Overview of SAS programming and data manipulation.
- Benefits and challenges of using SAS for data analysis.

2. SAS Programming Basics

- Understanding basic SAS syntax and data steps.
- Performing data manipulation and transformation.
- Writing and executing SAS programs.

Stage 2: Advanced Analytics Techniques

3. Predictive Modeling with SAS

- Building and evaluating predictive models using SAS.
- Understanding regression analysis and classification techniques.
- Best practices for model validation and deployment.

4. Machine Learning with SAS

- Implementing machine learning algorithms in SAS.
- Exploring supervised and unsupervised learning methods.
- Case studies and real-world applications.

Stage 3: Practical Applications

5. Text Analytics with SAS

- Analyzing and extracting insights from text data using SAS.
- Techniques for text mining and natural language processing (NLP).
- Applying text analytics to business problems.

6. Time Series Analysis with SAS

- Analyzing time-dependent data and forecasting trends.
- Using SAS tools for time series analysis.
- Best practices for time series model evaluation and deployment.

Stage 4: Optimization and Experimentation

7. Optimization Techniques with SAS

- Applying optimization methods to solve complex problems.
- Understanding linear and nonlinear optimization.
- Using SAS tools for optimization and decision analysis.

8. Design and Analysis of Experiments

- Designing experiments and analyzing experimental data with SAS.
- Techniques for randomized and controlled experiments.
- Best practices for interpreting and reporting experimental results.



PROGRAM OUTLINE

Stage 4: Certification Preparation

9. SAS Certification Exam Preparation

- Comprehensive preparation for the SAS certification exam.
- Practice exams and review sessions.
- Exam tips and strategies for success.

10. Advanced SAS Techniques

- Deepening knowledge and exploring advanced SAS capabilities.
- Implementing advanced data manipulation, analysis, and reporting techniques.

Elective Modules

11. Data Ethics and Privacy

- Ethical considerations, privacy laws, and compliance strategies.

12. AI Integration for Advanced Analytics

- Implementing AI solutions in advanced analytics.

13. Big Data Solutions with SAS

- Managing and analyzing big data applications with SAS.

14. SAS DevOps Practices

- CI/CD pipelines, automation, and containerization with SAS.

15. Analytics Project Management

- Leading analytics projects and ensuring successful delivery.

16. IoT Analytics with SAS

- Integrating and analyzing IoT data with SAS.

Enrollment Now Open!

Take the first step towards becoming a certified advanced analytics professional. Enroll in our SAS Certified Advanced Analytics Professional Program and enhance your career with Chools.