# Business Intelligence on AWS Training Course

Professional Development Training Course Outline

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|---|---|---|---|
| **Category** | Business Intelligence | **Duration** | 5 Days |
| **Base Fee** | $1,500 USD | **Delivery Mode** | Online / On-site Hybrid |

## Course Introduction

Business Intelligence on AWS is transforming how organizations harness data-driven insights to achieve competitive advantage in the digital economy. Business Intelligence on AWS Training Course is designed to empower professionals with cutting-edge skills in cloud analytics, data visualization, scalable data pipelines, and real-time reporting using Amazon Web Services. With the rapid adoption of cloud-native BI solutions, organizations are shifting from traditional data warehouses to agile, cost-efficient, and highly scalable platforms such as Amazon Redshift, AWS Glue, and Amazon QuickSight. This training equips learners with in-demand expertise in big data analytics, cloud computing, ETL automation, and predictive intelligence, enabling them to design and implement modern BI architectures aligned with global industry standards.

Participants will gain hands-on experience in building end-to-end BI solutions using AWS services while applying best practices in data governance, security, and performance optimization. The course integrates real-world scenarios, case studies, and practical labs to ensure a deep understanding of business intelligence workflows in a cloud environment. By focusing on trending technologies such as AI-driven analytics, data lakes, and serverless computing, this program prepares learners to meet evolving business needs and accelerate digital transformation initiatives.

## Programme Curriculum

**Business Intelligence on AWS Training Course**

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**Course Objectives**

1. Develop expertise in cloud-based business intelligence and analytics
2. Master AWS BI tools such as Amazon QuickSight and Amazon Redshift
3. Design scalable and secure data architectures in AWS
4. Implement ETL pipelines using AWS Glue and data integration tools
5. Analyze large datasets using big data analytics techniques
6. Build interactive dashboards and real-time reporting systems
7. Apply data governance and compliance best practices
8. Optimize performance and cost efficiency in AWS BI solutions
9. Integrate machine learning insights into BI workflows
10. Enable data-driven decision-making across organizations
11. Understand serverless analytics and automation strategies
12. Implement data warehousing solutions in cloud environments
13. Enhance business insights using predictive analytics

**Organizational Benefits**

- Improved decision-making through real-time analytics
- Enhanced data visibility and centralized reporting
- Cost optimization with scalable cloud solutions
- Increased operational efficiency through automation
- Strengthened data security and compliance
- Faster time-to-insight with modern BI tools
- Better customer insights and personalization
- Competitive advantage through advanced analytics
- Streamlined data integration across departments
- Improved collaboration through shared dashboards

**Target Audiences**

1. Data Analysts
2. Business Intelligence Professionals
3. Cloud Engineers
4. Data Engineers
5. IT Professionals
6. Database Administrators
7. Software Developers

8. Project Managers

**Course Duration:** 5 days

**Course Modules**

**Module 1: Introduction to Business Intelligence on AWS**

- Overview of cloud BI and analytics trends
- Key AWS services for BI solutions
- Benefits of cloud-based analytics platforms
- Understanding BI architecture on AWS
- Data lifecycle in cloud environments
- Case Study: Implementing cloud BI in a retail organization

**Module 2: AWS Data Storage Solutions**

- Introduction to Amazon S3 and data lakes
- Data storage strategies and optimization
- Managing structured and unstructured data
- Data lifecycle policies and governance
- Storage cost management techniques
- Case Study: Building a scalable data lake for enterprise analytics

**Module 3: Data Warehousing with Amazon Redshift**

- Redshift architecture and components
- Data modeling techniques for BI
- Query optimization and performance tuning
- Integration with BI tools
- Security and access control
- Case Study: Migrating on-premise warehouse to Redshift

**Module 4: Data Integration with AWS Glue**

- ETL concepts and workflows
- Data catalog and metadata management
- Automating data pipelines
- Data transformation techniques
- Monitoring and troubleshooting ETL jobs
- Case Study: Automating ETL pipeline for financial data

**Module 5: Data Visualization with Amazon QuickSight**

- Creating dashboards and reports
- Data storytelling techniques
- Interactive visualizations and filters
- Embedding dashboards into applications
- Performance optimization for dashboards
- Case Study: Building executive dashboards for decision-making

**Module 6: Real-Time Analytics and Streaming**

- Introduction to streaming data analytics
- AWS Kinesis and real-time data processing
- Integrating streaming with BI dashboards
- Event-driven analytics architecture
- Monitoring real-time pipelines
- Case Study: Real-time analytics for e-commerce platform

**Module 7: Security and Governance in AWS BI**

- Identity and access management
- Data encryption and compliance standards
- Governance frameworks and policies
- Auditing and monitoring tools
- Risk management strategies
- Case Study: Implementing secure BI environment in healthcare

**Module 8: Advanced Analytics and Machine Learning Integration**

- Introduction to predictive analytics
- Integrating AWS ML services with BI
- Data preparation for machine learning
- Automating insights generation
- AI-driven decision-making frameworks
- Case Study: Predictive sales analytics using AWS ML tools

**Training Methodology**

- Instructor-led interactive sessions
- Hands-on labs and real-world projects
- Case study-based learning approach
- Group discussions and collaborative exercises
- Live demonstrations of AWS tools
- Continuous assessments and feedback
- Practical assignments and scenario-based tasks
- Access to cloud-based learning environment

**Register as a group from 3 participants for a Discount**

**Send us an email: info@fineskilltrainingcenter.org or call** *+254769199797*

***Certification***

*Upon successful completion of this training, participants will be issued with a globally- recognized certificate.*

***Tailor-Made Course***

*We also offer tailor-made courses based on your needs.*

**Key Notes**

**a.** The participant must be conversant with English.

**b.** Upon completion of training the participant will be issued with an Authorized Training Certificate

**c.** Course duration is flexible and the contents can be modified to fit any number of days.

**d.** The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

**e.** One-year post-training support Consultation and Coaching provided after the course.

**f.** Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

## Upcoming Scheduled Sessions

| Start Date | End Date | Location | Price |
|---|---|---|---|
| **23 Nov 2026** | 27 Nov 2026 | Online | $1,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $1,500 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $3,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $3,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $6,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $4,500 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $6,000 |
| **23 Nov 2026** | 27 Nov 2026 | Physical | $6,000 |

Ready to enroll or request a customized program? Book online or contact us:

**Register Online Now**

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com