Business Intelligence on Microsoft Azure Training Course

Professional Development Training Course Outline

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

Course Introduction

In today’s data-driven economy, organizations are increasingly leveraging cloud-based analytics platforms to unlock actionable insights, enhance decision-making, and drive digital transformation. Business Intelligence (BI) on Microsoft Azure empowers professionals to harness scalable cloud infrastructure, advanced data visualization tools, and real-time analytics capabilities. Business Intelligence on Microsoft Azure Training Course is designed to equip participants with cutting-edge skills in data integration, cloud computing, data warehousing, and interactive dashboard development using Azure’s powerful BI ecosystem.

Participants will gain practical expertise in transforming raw data into meaningful insights using modern tools such as Power BI, Azure Synapse Analytics, and Azure Data Factory. The course emphasizes industry-relevant competencies including data modeling, ETL pipelines, predictive analytics, and data governance. By integrating trending technologies such as AI-powered analytics, big data processing, and cloud-native BI solutions, learners will be prepared to meet the growing demand for data professionals in the digital era.

Programme Curriculum

Business Intelligence on Microsoft Azure Training Course

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Course Objectives

1. Develop expertise in cloud-based Business Intelligence solutions using Microsoft Azure
2. Master data visualization techniques with Power BI dashboards and reports
3. Understand data warehousing concepts using Azure Synapse Analytics
4. Build scalable ETL pipelines with Azure Data Factory
5. Implement real-time analytics and streaming data solutions
6. Apply data modeling and transformation techniques
7. Integrate AI and machine learning into BI workflows
8. Enhance data governance and security practices in Azure
9. Optimize performance for large-scale data processing
10. Design end-to-end BI architectures in cloud environments
11. Utilize big data tools for advanced analytics
12. Automate data workflows using cloud-native services
13. Enable data-driven decision-making across organizations

Organizational Benefits

- Improved decision-making through real-time insights
- Enhanced operational efficiency using automated workflows
- Scalable analytics infrastructure with reduced IT costs
- Better data governance and compliance
- Increased business agility and innovation
- Competitive advantage through predictive analytics
- Streamlined reporting and dashboarding processes
- Integration of AI for smarter business strategies

Target Audiences

1. Data Analysts
2. Business Intelligence Professionals
3. Data Engineers
4. Cloud Solution Architects
5. IT Professionals
6. Database Administrators
7. Software Developers
8. Decision Makers and Managers

Course Duration: 5 days

Course Modules

Module 1: Introduction to Azure BI Ecosystem

- Overview of cloud computing and Azure services
- Introduction to Business Intelligence concepts
- Azure BI architecture and components
- Data sources and integration strategies
- Setting up Azure environment
- Case Study: Implementing a basic BI solution for a retail company

Module 2: Data Integration with Azure Data Factory

- ETL and ELT concepts
- Building data pipelines
- Data ingestion from multiple sources
- Scheduling and monitoring workflows
- Data transformation techniques
- Case Study: Automating data pipelines for financial reporting

Module 3: Data Warehousing with Azure Synapse Analytics

- Data warehouse design principles
- Creating and managing data warehouses
- Query optimization techniques
- Integration with other Azure services
- Performance tuning strategies
- Case Study: Designing a scalable warehouse for e-commerce analytics

Module 4: Data Visualization with Power BI

- Creating dashboards and reports
- Data modeling in Power BI
- DAX functions and calculations
- Interactive visualizations
- Publishing and sharing reports
- Case Study: Building executive dashboards for business insights

Module 5: Real-Time Analytics and Streaming

- Introduction to streaming data
- Azure Stream Analytics
- Event-driven architecture
- Real-time dashboards
- Integration with IoT data sources
- Case Study: Monitoring live data for logistics operations

Module 6: Advanced Analytics and AI Integration

- Machine learning integration in BI
- Predictive analytics models
- Azure Machine Learning overview
- Data science workflows
- AI-driven insights generation
- Case Study: Predicting customer behavior using AI models

Module 7: Data Governance and Security

- Data security principles
- Role-based access control
- Data encryption and compliance
- Monitoring and auditing
- Governance frameworks
- Case Study: Implementing secure BI solutions in healthcare

Module 8: Deployment and Optimization

- BI solution deployment strategies
- Performance optimization techniques
- Monitoring and troubleshooting
- Cost management in Azure
- Scaling BI solutions
- Case Study: Optimizing BI performance for enterprise systems

Training Methodology

- Instructor-led interactive sessions
- Hands-on practical labs and exercises
- Real-world case studies and scenarios
- Group discussions and collaborative learning
- Live demonstrations of Azure tools
- Assignments and knowledge assessments
- Industry-based project work
- Continuous feedback and performance evaluation

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