Business Intelligence on Google Cloud 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

Business Intelligence on Google Cloud has become a critical capability for modern data-driven organizations seeking real-time insights, scalable analytics, and advanced visualization. Business Intelligence on Google Cloud Training Course is designed to equip professionals with cutting-edge skills in cloud-based BI tools, data warehousing, data integration, and dashboard development using Google Cloud technologies. Participants will gain hands-on experience with BigQuery, Looker, and Data Studio, enabling them to transform raw data into actionable insights while leveraging automation, artificial intelligence, and machine learning-driven analytics. The course emphasizes performance optimization, cost efficiency, and secure data governance to ensure enterprise-grade analytics solutions.

With the rapid evolution of digital transformation, organizations require professionals who can implement cloud-native BI solutions, manage large datasets, and deliver interactive dashboards for strategic decision-making. This training focuses on real-world applications, including predictive analytics, real-time reporting, and scalable data pipelines. By integrating modern data engineering practices with BI tools, participants will develop expertise in data modeling, ETL processes, and advanced visualization techniques. The course also highlights trending technologies such as data lakes, AI-powered analytics, and self-service BI, ensuring learners remain competitive in the global data ecosystem.

Programme Curriculum

Business Intelligence on Google Cloud Training Course

Introduction

Business Intelligence on Google Cloud has become a critical capability for modern data-driven organizations seeking real-time insights, scalable analytics, and advanced visualization. Business Intelligence on Google Cloud Training Course is designed to equip professionals with cutting-edge skills in cloud-based BI tools, data

warehousing, data integration, and dashboard development using Google Cloud technologies. Participants will gain hands-on experience with BigQuery, Looker, and Data Studio, enabling them to transform raw data into actionable insights while leveraging automation, artificial intelligence, and machine learning-driven analytics. The course emphasizes performance optimization, cost efficiency, and secure data governance to ensure enterprise-grade analytics solutions.

With the rapid evolution of digital transformation, organizations require professionals who can implement cloud-native BI solutions, manage large datasets, and deliver interactive dashboards for strategic decision-making. This training focuses on real-world applications, including predictive analytics, real-time reporting, and scalable data pipelines. By integrating modern data engineering practices with BI tools, participants will develop expertise in data modeling, ETL processes, and advanced visualization techniques. The course also highlights trending technologies such as data lakes, AI-powered analytics, and self-service BI, ensuring learners remain competitive in the global data ecosystem.

Course Objectives

- Develop expertise in Google Cloud BI tools and data analytics platforms
- Master BigQuery for large-scale data warehousing and analytics
- Implement ETL pipelines using modern data integration techniques
- Design interactive dashboards with advanced data visualization tools
- Apply machine learning concepts in business intelligence workflows
- Optimize query performance and cost efficiency in cloud environments
- Ensure data governance, security, and compliance in BI systems
- Build real-time analytics solutions for decision-making
- Integrate multiple data sources for unified analytics
- Leverage AI-driven insights for predictive analytics
- Implement scalable and resilient cloud BI architectures
- Enhance data storytelling and reporting capabilities
- Develop hands-on skills through real-world case studies

Organizational Benefits

- Improved decision-making through real-time analytics
- Enhanced operational efficiency using automated data pipelines
- Scalable data infrastructure with reduced operational costs
- Increased data accuracy and consistency across departments
- Faster reporting and business insights generation
- Strengthened data security and compliance frameworks
- Empowered teams with self-service BI capabilities
- Competitive advantage through advanced analytics
- Better customer insights and personalization strategies
- Increased ROI from cloud-based analytics investments

Target Audiences

- Data Analysts
- Business Intelligence Professionals
- Data Engineers
- Cloud Engineers
- IT Managers

- Database Administrators
- Business Analysts
- Decision Makers and Executives

Course Duration: 5 days

Course Modules

Module 1: Introduction to Business Intelligence on Google Cloud

- Overview of BI concepts and cloud analytics
- Introduction to Google Cloud ecosystem
- Key BI tools and services
- Data-driven decision-making strategies
- Cloud BI architecture fundamentals
- Case study: Implementing BI strategy in a retail organization

Module 2: Data Warehousing with BigQuery

- Introduction to BigQuery architecture
- Data loading and querying techniques
- Schema design and data modeling
- Query optimization strategies
- Cost management in BigQuery
- Case study: Building a scalable data warehouse

Module 3: Data Integration and ETL Pipelines

- ETL vs ELT concepts
- Data ingestion techniques
- Using Cloud Dataflow and Pub/Sub
- Data transformation best practices
- Automation of data pipelines
- Case study: Real-time data integration for financial analytics

Module 4: Data Visualization and Reporting

- Introduction to Looker and Data Studio
- Designing interactive dashboards
- Data storytelling techniques
- Visualization best practices
- Custom reporting solutions
- Case study: Executive dashboard for business insights

Module 5: Advanced Analytics and Machine Learning

- Introduction to AI in BI
- Predictive analytics techniques
- Integration with ML tools
- Data preparation for machine learning
- Automated insights generation
- Case study: Predictive sales forecasting

Module 6: Data Governance and Security

- Data security principles in cloud
- Access control and IAM
- Compliance and regulatory standards
- Data quality management
- Risk mitigation strategies
- Case study: Securing enterprise data systems

Module 7: Performance Optimization and Cost Management

- Query performance tuning
- Resource optimization strategies
- Cost monitoring and budgeting
- Efficient data storage techniques
- Scaling BI solutions
- Case study: Reducing analytics costs in large enterprises

Module 8: Real-Time Analytics and Streaming

- Introduction to streaming data
- Real-time analytics tools
- Event-driven architectures
- Data processing pipelines
- Monitoring and troubleshooting
- Case study: Real-time fraud detection system

Training Methodology

- Instructor-led interactive sessions
- Hands-on labs and practical exercises
- Real-world case studies and scenarios
- Group discussions and collaborative learning
- Live demonstrations on Google Cloud platform
- Continuous assessments and feedback
- Capstone project for practical implementation
- Access to learning resources and documentation

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