Google Cloud Business Intelligence Tools 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 digital economy, organizations require scalable, cloud-native, and real-time analytics solutions to remain competitive. Google Cloud Business Intelligence Tools Training Course is designed to equip professionals with advanced skills in business intelligence, data visualization, and cloud analytics using Google Cloud Platform. This course emphasizes modern data architecture, self-service BI, interactive dashboards, and data storytelling powered by tools such as BigQuery, Looker, and Data Studio. Participants will gain hands-on experience in transforming raw data into actionable insights, enabling strategic decision-making and operational excellence.

With a strong focus on trending technologies such as data lakes, AI-driven analytics, and real-time data processing, this course prepares learners to implement end-to-end BI solutions. By leveraging cloud scalability, automation, and data governance frameworks, participants will develop expertise in building secure, efficient, and high-performance BI ecosystems. This training integrates practical case studies and industry-relevant scenarios to ensure learners can apply their knowledge effectively in real-world business environments.

Programme Curriculum

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Course Objectives

1. Develop expertise in cloud-based business intelligence and analytics
2. Master data visualization and dashboard development techniques
3. Understand BigQuery for large-scale data warehousing
4. Implement real-time analytics and streaming data solutions
5. Design scalable and secure BI architectures on cloud platforms
6. Apply data storytelling for strategic decision-making
7. Integrate multiple data sources into unified BI systems
8. Utilize AI and machine learning in BI workflows
9. Optimize query performance and cost efficiency in cloud analytics
10. Implement data governance and compliance frameworks
11. Automate data pipelines and reporting processes
12. Enhance collaboration through self-service BI tools
13. Build end-to-end BI solutions using Google Cloud technologies

Organizational Benefits

- Improved data-driven decision-making capabilities
- Enhanced operational efficiency through automation
- Scalable analytics infrastructure for growing data needs
- Faster insights with real-time data processing
- Reduced IT costs through cloud adoption
- Strengthened data governance and security
- Increased employee productivity with self-service BI
- Better customer insights and personalization
- Competitive advantage through advanced analytics
- Improved collaboration across departments

Target Audiences

1. Data analysts and business analysts
2. IT professionals and cloud engineers
3. Data scientists and AI practitioners
4. Business intelligence developers
5. Project managers and decision-makers
6. Database administrators
7. Digital transformation specialists
8. Entrepreneurs and startup teams

Course Duration: 5 days

Course Modules

Module 1: Introduction to Google Cloud BI Tools

- Overview of cloud-based BI ecosystem
- Key components of Google Cloud Platform
- Benefits of cloud analytics solutions
- Introduction to BigQuery and Looker
- Understanding modern BI architecture
- Case study: Transition from on-premise BI to cloud-based analytics

Module 2: Data Warehousing with BigQuery

- BigQuery architecture and storage model
- Data ingestion and ETL processes
- Writing and optimizing SQL queries
- Partitioning and clustering strategies
- Cost optimization techniques
- Case study: Building a scalable data warehouse for retail analytics

Module 3: Data Visualization with Looker Studio

- Creating interactive dashboards
- Data modeling and visualization best practices
- Custom reports and metrics development
- Data blending techniques
- Sharing and collaboration features
- Case study: Designing executive dashboards for business insights

Module 4: Looker for Advanced BI

- LookML data modeling
- Building reusable data models
- Embedded analytics solutions
- Role-based access control
- Performance optimization
- Case study: Implementing enterprise-grade BI solutions

Module 5: Data Integration and ETL Pipelines

- Data ingestion using Cloud Dataflow
- ETL vs ELT strategies
- Real-time data processing
- Workflow automation
- Data transformation techniques
- Case study: Building automated data pipelines for financial reporting

Module 6: Real-Time Analytics and Streaming

- Introduction to Pub/Sub and streaming data
- Real-time dashboard creation
- Event-driven architectures

- Data latency optimization
- Monitoring streaming pipelines
- Case study: Real-time analytics for e-commerce platforms

Module 7: Data Governance and Security

- Data access management
- Security best practices in cloud BI
- Compliance and regulatory standards
- Data encryption and privacy
- Audit and monitoring tools
- Case study: Implementing secure BI systems in healthcare

Module 8: AI and Machine Learning in BI

- Introduction to AI-driven analytics
- Predictive analytics using cloud tools
- Integrating ML models with BI dashboards
- Automated insights generation
- Trend analysis and forecasting
- Case study: Predictive sales analytics using machine learning

Training Methodology

- Instructor-led interactive sessions
- Hands-on practical exercises
- Real-world case studies and scenarios
- Group discussions and collaborative learning
- Cloud-based lab environments
- Continuous assessment and feedback
- Capstone project for practical implementation

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

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Register Online Now

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