



GOOGLE CLOUD TRAINING

Tensorflow Certification Google Course

Master TensorFlow and earn your Google Certification. Build and deploy advanced machine learning models effectively.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

-
- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

Unlock the power of machine learning with the TensorFlow Certification Google Course, expertly designed for intermediate learners eager to master Google's open-source machine learning framework. This concise yet impactful course provides a foundational understanding of TensorFlow, emphasizing its core functionalities and practical applications within the Google Cloud ecosystem. Participants will delve into the essentials of building, training, and deploying machine learning models, equipping them with the skills to tackle real-world challenges.

This certification-oriented program is meticulously crafted to prepare you for official Google TensorFlow certifications, enhancing your credibility and marketability in the rapidly expanding field of artificial intelligence. By focusing on practical, hands-on techniques, you'll gain confidence in developing intelligent solutions, from image recognition to natural language processing. Computer Pride's commitment to delivering industry-relevant training ensures that you not only learn the theoretical underpinnings but also acquire the practical expertise demanded by top tech companies globally, right here in Kenya.

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Level	Intermediate
Vendor	Google Cloud

COURSE CURRICULUM

01 Module 1: Introduction to TensorFlow and Google Cloud AI

- What is TensorFlow? Core Concepts and Ecosystem
- Overview of Google Cloud AI Platform and its integration with TensorFlow
- TensorFlow 2.x Architecture and Keras API fundamentals
- Setting up your development environment for TensorFlow on Google Cloud

02 Module 2: Building and Training Basic Models

- Defining Tensors and Operations in TensorFlow
- Introduction to Neural Networks and Perceptrons
- Building sequential models with Keras layers (Dense, Input)
- Compiling models: Loss functions, optimizers, and metrics

03 Module 3: Working with Data and Model Evaluation

- Preparing and preprocessing data for TensorFlow models
- Training models with `model.fit()`
- Evaluating model performance: Accuracy, Precision, Recall
- Making predictions with trained models

04 Module 4: Next Steps & Certification Preparation

- Saving and loading TensorFlow models
- Introduction to TensorFlow Hub and pre-trained models
- Strategies for preparing for Google's TensorFlow Developer Certificate
- Resources for continuous learning and community engagement

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Associate Machine Learning Engineer (TensorFlow Specialist)**
- > **AI/ML Developer for Google Cloud Platforms**
- > **Data Scientist (Deep Learning Focus)**

FREQUENTLY ASKED QUESTIONS

Q: What foundational knowledge or prerequisites are recommended before enrolling in this TensorFlow Certification Google Course?

This course is designed for intermediate learners. While a strong background in advanced mathematics or machine learning theory is not strictly required, participants should have a basic understanding of Python programming, including data structures and object-oriented concepts. Familiarity with fundamental concepts of linear algebra and statistics will also be beneficial, though not mandatory, as key concepts will be reviewed within the context of TensorFlow.

Q: Will this course directly prepare me to pass Google's official TensorFlow Developer Certificate exam?

Yes, this course is specifically structured to provide a solid foundation and prepare you for Google's official TensorFlow Developer Certificate exam. It covers the core concepts, practical skills, and best practices expected by Google for certification, including model building, data processing, and evaluation using TensorFlow 2.x and Keras. While the course provides essential preparation, consistent practice and independent study beyond the course material are crucial for exam success.

Q: What types of machine learning projects will I be able to build or contribute to after completing this TensorFlow course?

Upon successful completion of this course, you will be equipped to build foundational machine learning models for tasks such as image classification (e.g., identifying objects in photos), basic regression problems (e.g., predicting numerical values), and simple text classification. You'll gain the ability to develop and train neural networks, enabling you to contribute to projects involving computer vision, natural language processing, and predictive analytics using TensorFlow.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke