



AI – 900

Microsoft Azure AI Fundamentals

Overview

This course introduces fundamental concepts related to artificial intelligence (AI), and the services in Microsoft Azure that can be used to create AI solutions. The course is not designed to teach students to become professional data scientists or software developers, but rather to build awareness of common AI workloads and the ability to identify Azure services to support them. The course is designed as a blended learning experience that combines instructor-led training with online materials on the Microsoft Learn platform (<https://azure.com/learn>). The hands-on exercises in the course are based on Learn modules, and students are encouraged to use the content on Learn as reference materials to reinforce what they learn in the class and to explore topics in more depth.

Course Objectives

By the end of this course, participants will be able to:

- Describe Artificial Intelligence workloads and considerations
- Describe fundamental principles of machine learning on Azure
- Describe features of computer vision workloads on Azure
- Describe features of Natural Language Processing (NLP) workloads on Azure
- Describe features of generative AI workloads on Azure

Prerequisites

The AI-900: Microsoft Azure AI Fundamentals course is designed to be accessible to a wide audience, including individuals with diverse backgrounds and varying levels of technical expertise. As a fundamental course, it has minimal prerequisites. However, participants may benefit from having a basic understanding of certain concepts. While not mandatory, the following are suggested prerequisites:

- General Technology Familiarity
- Cloud Computing Awareness
- Data Basics
- Mathematics and Statistics (Optional)
- Basic Programming Knowledge (Optional)

Audience Profile

The Azure AI Fundamentals course is designed for anyone interested in learning about the types of solution artificial intelligence (AI) makes possible, and the services on Microsoft Azure that you can use to create them. You don't need to have any experience of using Microsoft Azure before taking this course, but a basic level of familiarity with computer technology and the Internet is assumed. Some of the concepts covered in the course require a basic understanding of mathematics, such as the ability to interpret charts. The course includes hands-on activities that involve working with data and running code, so a knowledge of fundamental programming principles will be helpful.

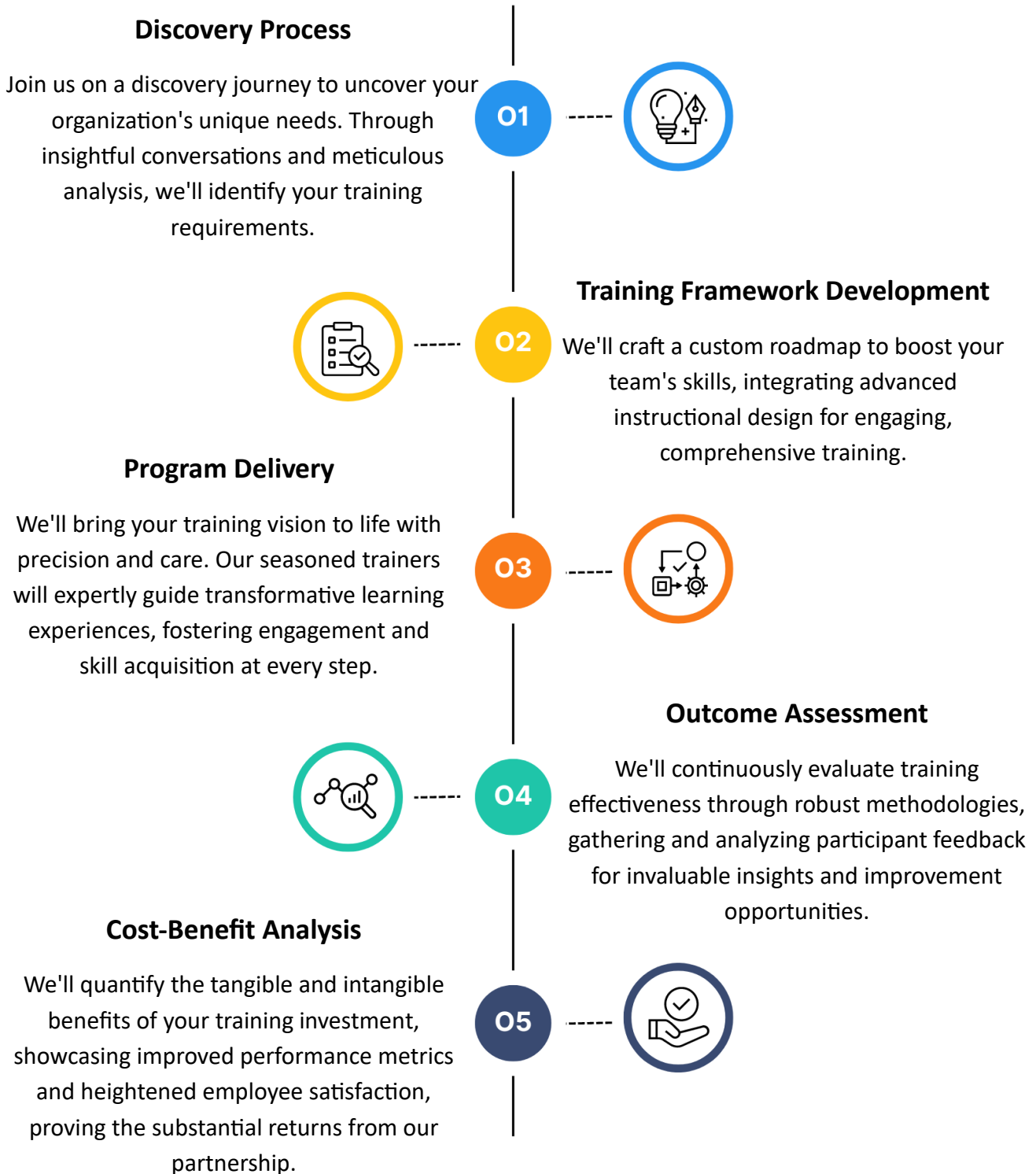
Course Level

- Beginner

Course Duration

- 1 Day – 8 Hours

Creating Tailor - Made Training Programs to Meet Your **Specific Goals**



Course Outline

This certification is an opportunity for you to demonstrate knowledge of machine learning and AI concepts and related Microsoft Azure services. As a candidate for this certification, you should have familiarity with the self-paced or instructor-led learning material.

This certification is intended for you if you have both technical and non-technical backgrounds. Data science and software engineering experience are not required. However, you would benefit from having awareness of:

- Basic cloud concepts
- Client-server applications

You can use Azure AI Fundamentals to prepare for other Azure role-based certifications like Azure Data Scientist Associate or Azure AI Engineer Associate, but it's not a prerequisite for any of them.

Module 1: Microsoft Azure AI Fundamentals: AI Overview

- Lesson: Fundamental AI concepts
- Lesson: Fundamentals of machine learning
- Lesson: Fundamentals of Azure AI services
- **Exercise:** Explore Azure AI services

Module 2: Microsoft Azure AI Fundamentals: Computer Vision

- Lesson: Computer vision concepts
- Lesson: Computer vision capabilities in Azure
- **Exercise:** Analyze images in Vision Studio

Module 3: Microsoft Azure AI Fundamentals: Natural Language Processing

- Lesson: Natural Language Processing concepts
- Lesson: Natural Language Processing capabilities in Azure
- **Exercise:** Analyze text with Language Studio

Module 4: Microsoft Azure AI Fundamentals: Document Intelligence and Knowledge Mining

- Lesson: Azure AI Document Intelligence
- Lesson: Azure AI Search
- **Exercise:** Extract form data in Document Intelligence Studio

Module 5: Microsoft Azure AI Fundamentals: Generative AI

- Lesson: Fundamentals of Generative AI
- Lesson: Fundamentals of Azure OpenAI Service
- Lesson: Explore responsible Generative AI
- **Exercise:** Explore generative AI with Bing Chat copilot

Indus Tech Services

Who We Are....

Indus Tech Services is an IT company that specializes in providing comprehensive training, consulting & implementation services for software solutions designed to address the diverse business challenges faced by organizations today. With a passion for technology and a deep understanding of business processes, Indus Tech is committed to empowering businesses to optimize their operations, boost productivity, and drive sustainable growth.

Indus Tech Services and Microsoft Partnership

As a proud **Microsoft Partner**, **Indus Tech Services** is uniquely equipped to deliver top-tier training and certification programs designed to meet the evolving needs of today's workforce. Our partnership with Microsoft allows us to offer direct access to the latest tools, resources, and industry insights, ensuring that our courses are aligned with the most current technology trends. This collaboration enables us to provide unparalleled support to our students, helping them gain the skills and knowledge required to excel in their careers. By choosing Indus Tech Services, you're not just learning; you're gaining a competitive edge with Microsoft-backed expertise and certification.

Why Choose Us...

From time to time, life serves up a profound nudge, urging us to step beyond our routines and make a difference in the world. Indus Tech Services emerged from one such compelling wake-up call. We are not just a company; we are a dedicated force with a belief in providing solutions to organizations, regardless of their size, and we infuse a human touch into everything we do.

Our Expertise

With over 25 years of collective experience navigating the intricacies of daily business transactions, irrespective of geographical, cultural, time zone, or language barriers, our team has honed their expertise to meet any challenge head-on. This wealth of experience has armed our resources with an unparalleled understanding and skill set to tackle a broad spectrum of obstacles.

Training

With two decades of unwavering commitment and a global footprint, our company is a true pioneer in the fields of linguistic, transactional, technical, and behavioural training for some of the world's largest corporate entities. Our unparalleled expertise has been refined through years of dedication and innovation, making us the go-to choice for businesses seeking transformative training solutions.

Consulting

Our company has been at the forefront of providing world-class IT consulting services to organizations spanning the globe. With an extensive and proven track record, we have honed our expertise to meet the ever-evolving technological needs and challenges faced by businesses, regardless of their scale or industry.

Implementation

Our experience covers a broad spectrum of IT implementation services, including system integration, software deployment, network architecture, cloud migration, and infrastructure setup. We understand that the successful execution of IT projects is pivotal to an organization's growth and efficiency. Therefore, we bring a depth of knowledge and a commitment to delivering results that set us apart.

To know more contact us at info@industechservices.com or call us at +91 - 99961 61170.