



# Workforce Capability PATHWAYS

*Designed to deliver deeper skill enablement and reinforcement experience, **Workforce Capability Pathways** deliver real-world AI skills and reinforce AI-native work habits.*



**Perfect for Teams or Individual Learners:** Most courses are available on Learning Tree's public schedule — or consult our experts to customize and contextualize a pathway for the needs of your organization.

## Explore Workforce Capability Pathways:

### TECHNICAL ROLES

Agentic App Builder  
 Azure Developer  
 Copilot AI Agent Builder  
 Data & Analytics Professional  
 DevOps Engineer  
 Government Tech User  
 IT Professional / Service Desk  
 Machine Learning Engineer  
 Python Programmer  
 QA / Tester  
 Security Professional  
 Software Engineer

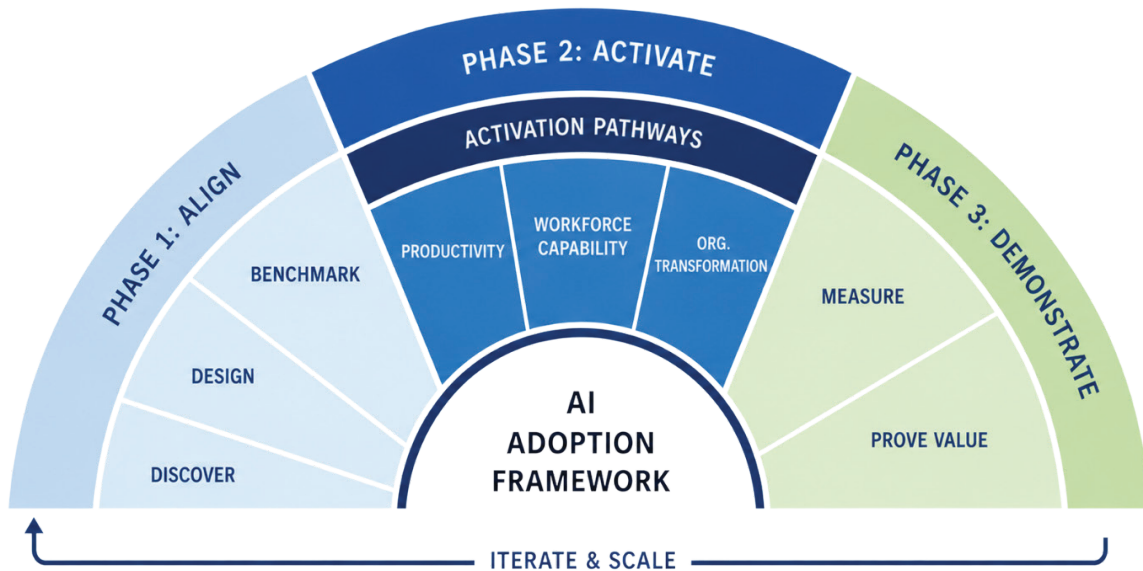
### BUSINESS ROLES

Business Analyst  
 Business Professional  
 Government Business User  
 IT Manager  
 Knowledge Worker (General)  
 Operations / Process Professional  
 Product Manager / Owner  
 Project Manager  
 Scrum Master / Agile Practitioner  
 Vibe Coder (Non-Technical)

### LEADERSHIP ROLES

Agile Leader  
 AI Leader / Change Agent  
 Government Leader

## Workforce Capability Pathways are part of Learning Tree's AI Adoption Framework:



### WORKFORCE CAPABILITY PATHWAYS

#### Agentic App Builder

Tech User

**Goal:** Design, build, and deploy production-ready AI-native and agentic applications using modern architectures, tooling, and governance practices.

**Pathway Courses:**

- 4726: Fundamentals of AI-Native Software Development
- 1376: Designing and Deploying AI Agents: Architectures, Protocols, and Case Studies
- 8754: GitHub Copilot (GH-300) or 2328: Developing and Deploying AI Applications

#### Azure Developer

Tech User

**Goal:** Use Azure AI services to build, deploy, and integrate intelligent solutions.

**Pathway Courses:**

- 8722: Develop Generative AI Apps in Azure (AI-3016)
- 8698: Develop AI Agents on Azure (AI-3026)
- 8720: Develop AI Agents Using Azure OpenAI and the Semantic Kernel SDK (AZ-2005)

#### Copilot AI Agent Builder

Tech User

**Goal:** Use Copilot and agent capabilities to automate workflows and extend business solutions.

**Pathway Courses:**

- 8728: Customizing Copilot AI Assistants for Use in Your Organization (PL-7008)
- 8751: Extend Microsoft 365 Copilot in Copilot Studio (MS-4022)
- 8724: Build connectors and plugins for Microsoft Copilot for Microsoft 365 (MS-4010)

## Data & Analytics Professional

*Tech User*

**Goal:** Use AI-enabled analytics platforms to deliver faster insights and smarter decision support.

**Pathway Courses:**

**1367: The Power of AI with Power BI**

**8704: Implement Real-Time Intelligence with Microsoft Fabric (DP-603)**

**1294: Graph Databases for Data Analytics and AI**

## DevOps Engineer

*Tech User*

**Goal:** Use AIOps concepts and automation to improve reliability, performance, and operational efficiency.

**Pathway Courses:**

**3697: AIOps Foundation (AIOF) Certification**

**1250: Components of a Big Data and AI Solution Introduction**

**4500: Data Management Tools, Machine Learning and AI Training**

## Government Tech User

*Tech User*

**Goal:** Use AI to design and support solutions that improve government operations and mission outcomes.

**Pathway Courses:**

**4700: Introduction to Artificial Intelligence (AI)**

**1258: Applied AI for Government IT Professionals**

## IT Professional / Service Desk

*Tech User*

**Goal:** Use AI to improve IT service delivery, operational decision-making, and team effectiveness.

**Pathway Courses:**

**4701: Preparing for an AI Transformation Initiative**

**1299: Artificial Intelligence for IT Service Management Training**

## Machine Learning Engineer

*Tech User*

**Goal:** Design and operationalize agentic AI solutions on AWS, progressing from GenAI fundamentals to advanced multi-agent system implementation.

**Pathway Courses:**

**1248: Generative AI Essentials on AWS**

**1930: Building Agentic AI with Amazon Bedrock AgentCore**

**1929: Building Advanced Agentic Systems on AWS**

## Python Programmer

*Tech User*

**Goal:** Use Python and AI-assisted programming techniques to build, enhance, and automate application logic.

**Pathway Courses:**

**1264: Introduction to AI, Data Science & Machine Learning with Python**

**4535: AI-Powered Programming in Python**

**1296: Prompt Engineering Automation with Python Course**

## QA / Tester

*Tech User*

**Goal:** Use AI testing practices to validate AI-enabled systems for quality, reliability, and risk.

**Pathway Courses:**

- 1288: The ISTQB® Certified Tester AI Testing (CT-AI)
- 1259: Introduction to Machine Learning for Non-Programmers
- 1293: Building Practical Skills in NLP and Generative AI

## Security Professional

*Tech User*

**Goal:** Use AI to strengthen cybersecurity detection, response, and defensive operations.

**Pathway Courses:**

- 1216: AI Cybersecurity: Attack and Defend
- 2015: AI Powered SecOps with SIEM and SOAR
- 8721: Get Started with Microsoft Copilot for Security (SC-5006)

## Software Engineer

*Tech User*

**Goal:** Use AI to design, build, and ship software features more efficiently and reliably.

**Pathway Courses:**

- 1851: AI for Software Engineers: Concepts and Techniques
- 4726: Fundamentals of AI-Native Software Development
- 8754: GitHub Copilot (GH-300)

## BUSINESS USER PATHWAYS

### Business Analyst

*Business User*

**Goal:** Use AI to elicit clearer requirements, analyze information, and translate business needs into actionable outcomes.

**Pathway Courses:**

- 1928: AI-Driven Business Analysis
- 315: AI-Driven User Requirements – From Needs to Results
- 8705: Implement a Data Science and Machine Learning Solution for AI with Microsoft Fabric (DP-604)

### Business Professional

*Business User*

**Goal:** Use AI to improve everyday productivity, decision-making, and communication at work.

**Pathway Courses:**

- 4700: Introduction to Artificial Intelligence (AI)
- 1297: AI Skills for Business Professionals Course

## Government Business User

*Business User*

**Goal:** Use AI to improve productivity, decision-making, and service delivery in government contexts.

**Pathway Courses:**

- 4700: Introduction to Artificial Intelligence (AI)
- 4703: AI Insights for Business Users in Government

## Knowledge Worker (General)

*Business User*

**Goal:** Use AI to improve personal productivity, communication quality, and everyday business outputs.

**Pathway Courses:**

- 1925: Getting the Most from your Spreadsheets with GenAI
- 1926: Getting the Most from your Presentations with GenAI
- 1927: Getting the Most from your Documents with GenAI

## Operations / Process Professional

*Business User*

**Goal:** Use AI to analyze, improve, and optimize operational and service processes.

**Pathway Courses:**

- 1299: Artificial Intelligence for IT Service Management Training
- 8759: Transform Your Everyday Business Processes with Agents (MS-4019)

## Product Manager / Owner

*Business User*

**Goal:** Use AI to clarify needs, prioritize work, and improve product and delivery outcomes.

**Pathway Courses:**

- 5205: AI for Product Owners
- 315: AI-Driven User Requirements – From Needs to Results

## Project Manager

*Business User*

**Goal:** Use AI to plan, track, and communicate project work more efficiently and predictably.

**Pathway Courses:**

- 4705: AI for Project Managers
- 3604: PMI Certified Professional in Managing AI (PMI-CPMAI)™

## Scrum Master / Agile Practitioner

*Business User*

**Goal:** Use AI to enhance facilitation, flow, and continuous improvement within Agile teams.

**Pathway Courses:**

- 5204: AI for Scrum Masters Training
- 3401: AI-Powered Agile Leadership Training

## Vibe Coder (Non-Technical)

*Business User*

**Goal:** Enable non-technical professionals to use AI and agents to automate workflows and build practical business applications without traditional coding.

**Pathway Courses:**

4700: Introduction to Artificial Intelligence (AI)

8759: Transform Your Everyday Business Processes with Agents (MS-4019)

4725: AI Vibe Coding for Non-Developers

## LEADERSHIP PATHWAYS

### Agile Leader

*Leader*

**Goal:** Use AI to improve decision-making, adaptability, and organizational agility.

**Pathway Courses:**

4701: Preparing for an AI Transformation Initiative

3401: AI-Powered Agile Leadership Training

3604: PMI Certified Professional in Managing AI (PMI-CPMAI)™

### AI Leader / Change Agent

*Leader*

**Goal:** Use AI to evaluate opportunities, manage risk, and guide enterprise adoption decisions.

**Pathway Courses:**

4701: Preparing for an AI Transformation Initiative

288: APMG Change Management v3 Certification

3604: PMI Certified Professional in Managing AI (PMI-CPMAI)™

### Government Leader

*Leader*

**Goal:** Use AI to guide responsible adoption, governance, and workforce readiness in government organizations.

**Pathway Courses:**

4703: AI Insights for Business Users in Government

4701: Preparing for an AI Transformation Initiative