APPLIED TECHNOLOGY ACADEMY

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Microsoft Power Platform Developer Training

Microsoft Authorized Training · Applied Technology Academy

This course is designed for developers who want to create applications, automate workflows, and extend the capabilities of the Microsoft Power Platform using code. Participants will learn how to build model-driven and canvas apps, integrate with Dataverse, use Power Automate for complex workflows, develop custom connectors, and extend Power Platform with Azure services and APIs.

LEVEL	DURATION	EXPERIENCE	AVERAGE SALARY	LABS
Intermediate	**5 Days**	**1 year: Microsoft**	**$113,000 to $172,000**	**Yes**

Course Overview

The course is ideal for professional developers preparing for the PL-400 certification exam.

You will:

- Create and configure custom apps using Power Apps
- Automate business processes with Power Automate
- Design and implement Dataverse tables, relationships, and business rules
- Write client-side and server-side code to extend Power Platform
- Integrate with external systems using custom connectors and web APIs
- Secure apps and data with role-based security and environments
- Use DevOps tools for deployment and lifecycle management

Course Outline

- **Lesson 1: Introduction to Power Platform Development Developer tools and environments**
  - Overview of Dataverse
  - Authentication and authorization in Power Platform
  - Solutions and ALM basics
- **Lesson 2: Working with Dataverse Creating and managing tables and columns**
  - Implementing relationships and calculated fields
  - Using business rules and workflows
  - Managing data with Web API and SDK
- **Lesson 3: Power Apps Development Canvas vs. model-driven apps**
  - Using expressions and formulas
  - Embedding components and media
  - Custom pages and advanced UI logic
- **Lesson 4: Extending Power Apps with Code JavaScript for client-side customizations**

  - PCF (Power Apps Component Framework) controls
  - Plugins and custom workflows using C#
  - Working with event handlers
- **Lesson 5: Automating Processes with Power Automate Creating and managing flows**
  - Using triggers and actions
  - Calling custom connectors
  - Flow performance and error handling
- **Lesson 6: Building Custom Connectors Introduction to APIs and OpenAPI (Swagger)**
  - Creating a custom connector in Power Platform
  - Testing and using custom connectors in apps and flows
  - Securing custom connectors
- **Lesson 7: Integrating with Microsoft Services and External Systems Calling Azure Functions and Logic Apps**
  - Integrating with SharePoint, Teams, and Microsoft 365
  - Working with external databases and web services
  - Best practices for performance and security
- **Lesson 8: Application Lifecycle Management (ALM) Using solutions to package components**
  - Source control and DevOps with Azure DevOps or GitHub
  - CI/CD pipelines for Power Platform
  - Environment strategy and deployment governance

Intended Audience

This course is designed for professional developers and IT professionals who want to build and extend solutions using Microsoft Power Platform.

Prerequisites

- Experience with JavaScript, C#, or other programming languages
- Familiarity with Microsoft Power Platform, Microsoft 365, and Dataverse
- Understanding of JSON, REST APIs, and OAuth
- Knowledge of software development lifecycle (SDLC) practices

Ready to enroll? Call 800.674.3550 or email Info@AppliedTechAc.com — private team cohorts, GSA MAS purchasing, military credentialing funding, VA GI Bill and VR&E and student financing available.