### Python and Data Science Learning Path

**Optional Math Pre-req**
- Applied Linear Algebra, Calculus, and Statistics for AI, ML, and Data Science (WA3418) (2 days)

**General Python**
- Introduction to Python 3 Programming (Practical Programming for Beginners) (WA3016) (3 days)
- Pragmatic Python Programming (Hands-on Advanced) (WA3174) (4 days)

**Vendor-Specific**
- NVIDIA: Fundamentals of Accelerated Computing with CUDA Python (NV-ACC-CUDA-PYTH) (1 day)

**Data Science and Machine Learning**
- Applied Data Science with Python (WA2715) (2 days)
- Comprehensive Data Science with Python (WA3364) (6 days)
- Machine Learning with Python Deep Dive (WA3375) (5 days)
- Generative AI Engineering (WA3309) (5 days)

**Vendor-Specific**
- Amazon SageMaker Studio for Data Scientists (AWS-SMS-DS) (3 days)
- Designing and Implementing a Data Science Solution on Azure (DP-100T01) (4 days)
- NVIDIA: Fundamentals of Deep Learning (NV-FUND-DL) (1 day)
- NVIDIA: Fundamentals of Accelerated Data Science (NV-ACC-DS) (1 day)

**Vendor-Specific**
- Applied Data Science and Practical Machine Learning with AWS SageMaker and AutoML (WA3293) (5 days)
- Machine Learning on Google Cloud (GCP-ML) (5 days)
- NVIDIA: Generative AI with Diffusion Models (NV-GEN-AI-DM) (1 day)
- NVIDIA: Model Parallelism: Building and Deploying Large Neural Networks (NV-MP-DEPLOY-NETW) (1 day)

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**New to Python?**
- Yes
- No