

# The Machine Learning Pipeline on AWS

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<b>Code:</b>	AWS-ML-PL
<b>Length:</b>	4 days
<b>URL:</b>	<a href="#">View Online</a>

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## Prerequisite Courses

### Essentials for Getting Started - AWS Technical Essentials

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### Machine Learning & Artificial Intelligence (AI) - Practical Data Science with Amazon SageMaker

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Learn how to use the machine learning (ML) pipeline with Amazon SageMaker with hands-on exercises and four days of instruction. You will learn how to frame your business problems as ML problems and use Amazon SageMaker to train, evaluate, tune, and deploy ML models. Hands-on learning is a key component of this course, so you'll choose a project to work on, and then apply the knowledge and skills you learn to your chosen project in each phase of the pipeline. You'll have a choice of projects: fraud detection, recommendation engines, or flight delays.

## Skills Gained

- Select and justify the appropriate ML approach for a given business problem
- Use the ML pipeline to solve a specific business problem
- Train, evaluate, deploy, and tune an ML model in Amazon SageMaker
- Describe some of the best practices for designing scalable, cost-optimized, and secure ML pipelines in AWS
- Apply machine learning to a real-life business problem after the course is complete

## Who Can Benefit

- Developers
- Solutions architects
- Data engineers
- Anyone who wants to learn about the ML pipeline via Amazon SageMaker, even if you have little to no experience with machine learning

## Course Details

### Day 1

- Module 0: Introduction
- Module 1: Introduction to Machine Learning and the ML Pipeline
- Module 2: Introduction to Amazon SageMaker
- Module 3: Problem Formulation

### Day 2

- Module 3: Problem Formulation (continued)
- Module 4: Preprocessing

### Day 3

- Module 5: Model Training
- Module 6: Model Evaluation

### Day 4

- Module 7: Feature Engineering and Model Tuning
- Module 8: Deployment

## Related Certifications

Authorized training from ExitCertified is created and maintained by the vendor who also creates the certification exams. While it may not be a requirement of certification to attend a vendor-authorized training class, doing so will put you in the best position to successfully complete the related exams. Start training and begin working towards one of the following certifications today.

Specialty

AWS Certified Machine Learning - Specialty

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[View All Certifications](#)

## Follow-on Courses

Browse the suggested follow-on courses below and continue your training journey. We offer training in various learning formats, from instructor-led to virtual, so you can choose what works best for you. Get started by selecting a course to learn more.

### Development - Comprehensive Machine Learning

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