The AWS Certified Machine Learning - Specialty certification

is intended for individuals who perform a development or data science role. It validates a candidate's ability to design, implement, deploy, and maintain machine learning (ML) solutions for given business problems.

Abilities Validated by the Certification

* Select and justify the appropriate ML approach for a given business problem
* Identify appropriate AWS services to implement ML solutions
* Design and implement scalable, cost-optimized, reliable, and secure ML solutions

### Recommended Knowledge and Experience

* 1-2 years of experience developing, architecting, or running ML/deep learning workloads on the AWS Cloud
* The ability to express the intuition behind basic ML algorithms
* Experience performing basic hyperparameter optimization
* Experience with ML and deep learning frameworks
* The ability to follow model-training best practices
* The ability to follow deployment and operational best practices

Build your technical skills with specially designed learning paths, which include:

[Practical Data Science with Amazon SageMaker](https://www.aws.training/SessionSearch?pageNumber=1&courseId=40748) | Classroom (virtual or in person)  
[The Machine Learning Pipeline on AWS](https://www.aws.training/SessionSearch?pageNumber=1&courseId=38910) | Classroom (virtual or in person)  
[Process Model: CRISP-DM on the AWS Stack](https://www.aws.training/Details/eLearning?id=27200) | Digital  
[The Elements of Data Science](https://www.aws.training/Details/eLearning?id=26598) | Digital  
[Deep Learning on AWS](https://www.aws.training/training/schedule?courseId=13854) | Classroom (virtual or in person)

[Explore the full Machine Learning learning paths](https://aws.amazon.com/training/learning-paths/machine-learning/)

Broaden your technical understanding with whitepapers written by the AWS team, independent analysts, and AWS partners.

STUDY TIP: Focus on the following whitepapers

[Power Machine Learning at Scale](https://d1.awsstatic.com/whitepapers/aws-power-ml-at-scale.pdf) || [Managing Machine Learning Projects](https://d1.awsstatic.com/whitepapers/aws-managing-ml-projects.pdf) || [Machine Learning Foundations: Evolution of ML and AI](https://d1.awsstatic.com/whitepapers/machine-learning-foundations.pdf) || [Augmented AI: The Power of Human and Machine](https://d1.awsstatic.com/whitepapers/augmented-ai-the-power-of-human-and-machine.pdf) || [Machine Learning Lens - AWS Well-Architected Framework](https://docs.aws.amazon.com/wellarchitected/latest/machine-learning-lens/welcome.html)

[View all whitepapers](https://aws.amazon.com/whitepapers/)

STUDY TIP: Focus on the following FAQs:

[Amazon CodeGuru](https://aws.amazon.com/codeguru/faqs/) || [Amazon Comprehend](https://aws.amazon.com/comprehend/faqs/) || [Amazon Comprehend Medical](https://aws.amazon.com/comprehend/faqs/#Amazon_Comprehend_Medical) || [Amazon Forecast](https://aws.amazon.com/forecast/faqs/) || [Amazon Fraud Detector](https://aws.amazon.com/fraud-detector/faqs/) || [Amazon Kendra](https://aws.amazon.com/kendra/faqs/) || [Amazon Lex](https://aws.amazon.com/lex/faqs/) || [Amazon Personalize](https://aws.amazon.com/personalize/faqs/) || [Amazon Rekognition](https://aws.amazon.com/rekognition/faqs/) || [Amazon Textract](https://aws.amazon.com/textract/faqs/) || [Amazon Transcribe](https://aws.amazon.com/transcribe/faqs/) || [Amazon Translate](https://aws.amazon.com/translate/faqs/) || [Amazon SageMaker](https://aws.amazon.com/sagemaker/faqs/) || [Amazon SageMaker Ground Truth](https://aws.amazon.com/sagemaker/groundtruth/faqs/) || [Amazon Augmented AI](https://aws.amazon.com/augmented-ai/faqs/) || [AWS Deep Learning Containers](https://aws.amazon.com/machine-learning/containers/faqs/)

[View all FAQs](https://aws.amazon.com/faqs/)

Prepare for your AWS Certification exam with Exam Readiness training by AWS  
  
Exam Readiness training focuses on teaching you how to interpret exam questions and allocate your study time. Our *Exam Readiness: AWS Certified Machine Learning - Specialty* course is offered in multiple formats:

* Classroom training for learning and engaging in a physical or virtual classroom with an AWS-accredited instructor
* Free digital training for learning when and where it’s convenient for you
* Free webinars for a presentation from an AWS-accredited instructor followed by live Q&A
* The course reviews sample exam questions in each topic area and how to interpret the concepts being tested so that you can more easily eliminate incorrect responses. Find the option that works best for you.
* [Find classroom training](https://www.aws.training/training/schedule?courseId=38153)
* [Take free digital training](https://www.aws.training/Details/eLearning?id=42183)
* [Find a webinar](https://aws.amazon.com/certification/get-certified-virtual-and-digital-training/)

**Exam Readiness training**