

AWS Certified Data Engineer Associate Curriculum

DevOpsSchool.com

Course Overview

- Data ingestion, storage, processing, and analytics on AWS
- Data governance, security, and quality best practices

Module 1: Data Ingestion & Streaming

- AWS DMS, Kinesis, MSK, and Firehose
- Batch and real-time ingestion patterns

Module 2: Data Storage & Lakehouse

- S3 data lakes and Lake Formation
- Glue Data Catalog and metadata management

Module 3: ETL/ELT & Processing

- AWS Glue, EMR, and Spark pipelines
- Orchestration with Step Functions

Module 4: Data Warehousing & Analytics

- Redshift design and tuning
- Athena and Redshift Spectrum queries
- Reporting with QuickSight

Module 5: Governance, Security & Quality

- IAM and fine-grained access control
- Encryption, masking, and auditability

Module 6: Monitoring & Optimization

- CloudWatch monitoring
- Performance and cost optimization