

Become a DevOps engineer with the UNM Continuing Education DevOps Bootcamp

Study development operations with UNM Continuing Education DevOps Bootcamp, powered by Fullstack Academy.

- ♦ Add in-demand DevOps engineering skills to your resume
- ♦ Graduate with a portfolio of projects to show employers
- ♦ Get job search support to help you get hired

Explore the curriculum and see what you could learn with us.



Foundations

Linux	Networking	AWS	Python	DevOps
<ul style="list-style-type: none"> ♦ Introduction to Linux Systems Architecture ♦ Core System Commands ♦ Systems Administration ♦ Shell Scripting Basics ♦ Distributions and Building from Source ♦ Security Hardening 	<ul style="list-style-type: none"> ♦ Device and OSI Concepts ♦ Routing and Switching ♦ Ports and Protocols ♦ Enterprise Firewalls ♦ Proxies and Payload Inspection ♦ Troubleshooting Connectivity Issues 	<ul style="list-style-type: none"> ♦ Cloud Models and Shared Responsibilities Overview ♦ AWS Well-Architected Framework and Pillars ♦ VPCs: Native and Hybrid Network Connectivity ♦ Identity Access Management and Permissions ♦ Migration Practices and Architectures ♦ AWS Operational Security Best Practices 	<ul style="list-style-type: none"> ♦ Python Overview and Common Use Cases ♦ Using builtin functions and libraries ♦ Data Types and Structures ♦ Standard Data Input and Output ♦ Using Decision Controls ♦ Create Modularity with Functions 	<ul style="list-style-type: none"> ♦ Software Development Lifecycles (SDLC) ♦ Translate and Port Code ♦ Standardizing Data for Producers and Consumers ♦ Source Code Operations ♦ Secure Coding Practices ♦ Secure CI/CD

AWS Skills

Cloud Architecture	Cloud Development	Cloud Operations
<ul style="list-style-type: none"> ♦ Designing for High Availability ♦ Automating your Infrastructure ♦ Designing Web-Scale Media 	<ul style="list-style-type: none"> ♦ Developing Storage Solutions with Amazon S3 ♦ Developing NoSQL Solutions with Amazon Dynamo DB ♦ Caching Information for Scalability 	<ul style="list-style-type: none"> ♦ Tooling and Automations ♦ Computing (Servers) ♦ Monitoring and Security
Career Prep		<ul style="list-style-type: none"> ♦ Build a Capstone Project to share with employers ♦ Build a technical resume and craft cover letters ♦ Optimize your LinkedIn profile and network within the industry ♦ Personalized 1-1 coaching with interview and negotiation training

Please note that this is a sample curriculum and is subject to change.