

# Become a DevOps professional with the UT Dallas DevOps Bootcamp

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

**AWS Skills**  academy

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

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