



Cloud Engineering Immersive

Continuous Security. Separate noise from threats with DevSecOps automation.

Duration



400 hours

10 weeks, 8hrs / session

20 weeks, 4hrs / session

20 weekends, 10hrs / session

Schedule



Weekdays:

Mon-Fri, 9:00 AM - 6:00 PM CST

Weekdays Extended:

Mon-Fri, 9:00 AM - 1:00 PM CST

Weekends:

Sat-Sun, 8:00 AM - 6:00 PM CST

Certifications



Azure Fundamentals
(AZ-900)

Azure Administrator(AZ-104)

Azure Designing
Infrastructure Solutions
(AZ-305)

Contact Us



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Dive into the dynamic world of cloud technology with the Cloud Engineering Immersive program at Divergence Academy, a cutting-edge course tailored for the evolving tech landscape. This comprehensive program is strategically divided into three modules, each focusing on a critical aspect of cloud engineering. Begin with the Secure Infrastructure module, where you'll master Azure infrastructure fundamentals. Progress to the Secure DevOps module to learn about integrating security with DevOps processes using tools like GitHub Actions. The journey culminates in the Engineering Secure Cloud Solutions module offering an in-depth exploration of designing and implementing solutions in the cloud covering topics including architecting cloud infrastructure, designing for security and identity, data storage solutions, business continuity strategies, and infrastructure optimization. Each module wraps up with a skills validation - a combination of a cert prep, and/or a mini-capstone project, letting you showcase your skills for your job portfolio. This program is your gateway to becoming a part of the ever-expanding cloud ecosystem, equipping you with the skills to excel in a technology-driven future. Embrace the opportunity to shape the next wave of digital innovation in cloud engineering.

Program Structure

Modules:

Secure Infrastructure | 120 hours

- Module begins with foundational training in Linux Command-Line Interface and Networking, crucial for cloud administration skills towards implementing, managing, and monitoring identity, governance, storage, compute, and virtual networks in a cloud environment, plus provision, size, monitor, adjust resources through automation with scripting. This module sets a solid base for advanced cloud engineering concepts.

Secure DevOps | 160 hours

- The focus then shifts to Cloud Infrastructure and DevOps, guided by the AZ-104 standards, where learners gain hands-on experience in managing Azure services. The course focuses on leveraging Infrastructure as Code (IaC) to manage configurations for virtual machines and containers with tools like Ansible. This module culminates with skills validation where students GitHub Actions for automated testing across both Linux and Windows environments, ensuring robust and reliable cloud infrastructure deployments.

Engineering Secure Cloud Solutions | 120 hours

- The course offers an in-depth exploration of designing and implementing solutions in the cloud. It covers a range of topics including architecting cloud infrastructure, designing for security and identity, data storage solutions, business continuity strategies, and infrastructure optimization. This course helps learners with skills in cloud architecture, providing them with the knowledge needed to design scalable, reliable, and secure cloud solutions. It prepares learners for the certification exam, focusing on practical, real-world applications of cloud infrastructure services.

In an era marked by the rapid advancement of GenAI and Big Data Engineering, the Cloud Engineering Immersive program at Divergence Academy is particularly relevant and valuable. As organizations increasingly rely on cloud computing to process, store, and analyze vast amounts of data generated by AI and big data applications, the demand for skilled cloud engineers has never been higher. This program equips organizations with professionals who are not only proficient in current cloud technologies but are also prepared to integrate and leverage these emerging technologies.

- **Skilled Workforce:** Access to professionals adept in the latest cloud technologies and best practices, crucial for GenAI and big data applications.
- **Innovation and Efficiency:** Employees with advanced skills in cloud engineering drive innovation and enhance efficiency in handling big data and AI-driven projects.
- **Security and Compliance:** The program's emphasis on secure cloud solutions ensures employees are equipped to maintain robust security measures, vital in the era of big data and AI.
- **Future-Ready Operations:** With a workforce trained to adapt to evolving cloud technologies, organizations stay ahead in the competitive landscape, ready to harness the potential of GenAI and big data engineering.

Support Services

- Perfect your resume, expand your professional network, and prepare for job interviews.
- Engage with classmates and instructors in shared study group channels over Microsoft Teams.
- Access exam vouchers for up to 180 days after the program ends, and use them within one year.

Engineering Secure Cloud Solutions

Beyond providing certification prep and top-notch support from our dedicated team, this hands-on program prepares you for jobs such as:

Cloud Solutions Architect

Focuses on designing and implementing scalable, secure, and efficient cloud infrastructure and solutions, aligning them with business objectives and technological best practices.

DevOps Engineer

Specializes in bridging the gap between software development and operations, ensuring efficient deployment, continuous integration, and delivery with a focus on cloud-based environments.

Azure Cloud Developer

Develops and maintains cloud applications and services on the Azure platform, utilizing a deep understanding of Azure services, coding skills, and cloud architecture principles.

Infrastructure Automation Engineer

Implements and manages infrastructure as code (IaC) solutions like Terraform or Pulumi, automating the provisioning and management of cloud resources for enhanced efficiency and reliability.

Flexible Options to Fund Your Future

The GI Bill®

is a registered trademark of the U.S. Department of Veterans Affairs (VA). For more information about VA education benefits, visit the U.S. government website.

Installments

Flexible options from 2 lump sums to monthly payments with no interest fees.

VET TEC

You can use VET TEC without taking away from your GI Bill. You need only one day of unexpired GI Bill benefits to participate.

Loans

From one of our high quality lenders, offering competitive rates and terms.

Contact our admissions department at **833-DIVERGE** for more funding options.