



# Cloud Engineering Immersive

Crafting Effective Software for Connected Devices



## Duration

400 hours, 20 weekends



## Schedule

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

**Weekends:**  
8:00 AM - 6:00 PM CST

This program offers training to help you prepare for the most in-demand cloud security certifications in the industry.



## Contact Us

Divergence Academy  
14665 Midway Rd, Ste. 220  
Addison, TX 75001

- (833) DIVERGE
- [hello@divergence.one](mailto:hello@divergence.one)
- <https://divergence.one>

## Program Structure

### Modules:

#### Secure Infrastructure | 160 hours

Gain hands-on experience with fundamentals in cloud technology and prepare for the Microsoft Azure Administrator Associate (AZ-104) certification

#### Secure DevOps | 120 hours

Learn about modern application testing and prepare for the Microsoft DevOps Engineer Expert (AZ-400) certification

#### Secure IoT | 120 hours

Discover IoT solution deployment tactics for Azure and prepare for the Microsoft Azure IoT Developer Specialty (AZ-220) certification

### Backed by Trusted Sources



Internet of Things (IoT) refers to networked objects which collect and exchange data using sensors. IoT adds internet connectivity to everything from hardware devices to everyday objects. Business Insider predicts that there will be more than 64 billion IoT devices embedded worldwide by 2026. When optimized for security, IoT networks can protect connected devices and their data from potentially devastating threats.

This program teaches core IoT concepts, empowering you to build software for physically connected objects. You'll learn how physical components communicate, and how these hardware connections can be valuable for data. After all, in the world of IoT, protecting data is everything.

By the end of the program, you'll understand how IoT streamlines processes for businesses of any size—and be able to apply proven IoT security methods to various applications.

This program uses the National Initiative for Cybersecurity Education (NICE) Framework, equipping students with the real-world skills needed to work in cybersecurity. With these building blocks, you can:

- Help organizations with security work.
- Review cybersecurity information to determine its usefulness.
- Offer operational support and collect cybersecurity information.

## 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.

## Security Jobs in IoT



### IoT Manufacturers

Many companies focus on building secure networks from day one. In this position, you'll build, test, and update hardware for security.



### System Deployers

In this role, you'll deploy security-enabled, properly authenticated IoT hardware systems.



### Operators:

Operators keep systems up to date, helping to prevent malware attacks, securing auditing procedures, safeguarding important credentials, and more.

Secure, connected technology is being used to keep people safe against the coronavirus. In January, America's first known case of COVID-19 was treated mostly with a robot. According to reports, with a tiny bit of help from nurses, the robot could use a stethoscope to take a man's vital signs.

Similarly, at Circolo Hospital in Varese, Italy, medical staff used six connected "robot nurses" to treat COVID patients. "It's like having another nurse, without problems related to infection," explained Dr. Francesco Dentali, director of intensive care at the hospital. These robots helped staff conserve face masks thanks to remote communication. They could also monitor room equipment in the room—and never needed to be powered down.

## Flexible Options to Fund Your Future

**Start today, with \$0 paid up front**

### 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.

### Scholarships

provide opportunities for underrepresented populations in tech. In particular, we offer a Women in Technology scholarship.

### VRRAP

If you're eligible for VRRAP, you can get up to 12 months of tuition and fees, and a monthly housing allowance based on post-9/11 GI Bill rates.

### Loans

from one of our high-quality lenders for as little as \$600 a month.

### Installments

of three payments, \$6,000 each—and \$0 paid up front.

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