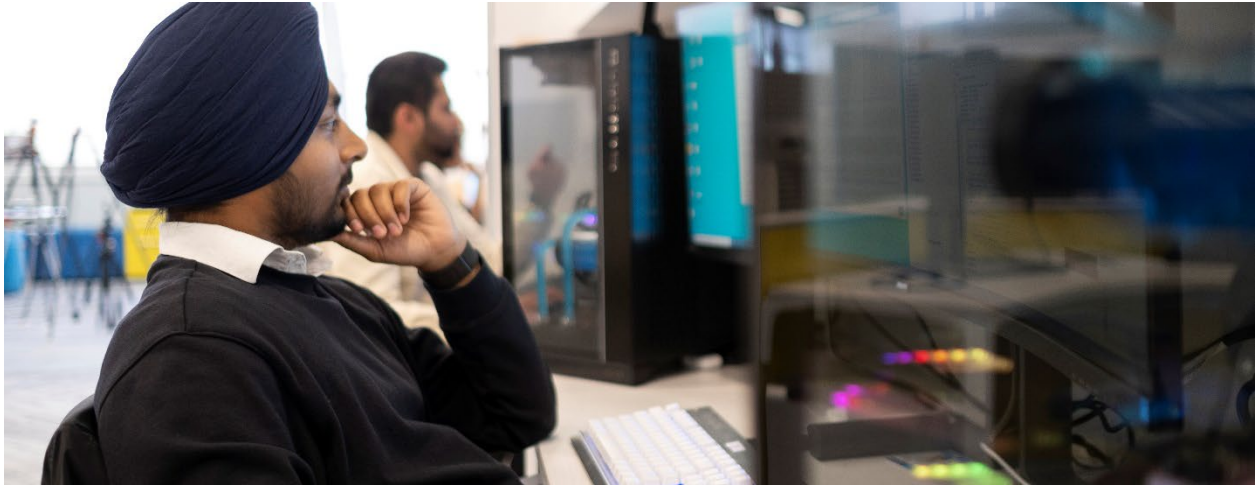


# Computer Systems Technology - Software Development and Network Engineering (Advanced Diploma)

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## Meet our students

Our students have experience developing state-of-the-art software solutions, designing sound software applications following the latest practices and patterns, keeping abreast of the latest technologies and information systems, and meeting cutting-edge technical challenges across platforms and frameworks. SDNE students create solutions to real-world problems and gain valuable, practical experience through direct, hands-on instruction.

Learn more about the classes these students take by visiting [the program webpage](#).

## Core competencies and skills

- Software Development incorporating advanced concepts and technologies.
- Experience with Spring Boot back-end with Angular front-end, full .NET application development and deployment to Azure, Android (Kotlin) and iOS (Swift) mobile app development, AWS Agile DevOps, security, testing, game development (Udemy), database administration (Oracle), data analysis, and full-stack web development.
- Application of project management principles and tools within a computing environment.
- Effective and efficient collaboration in multi-disciplinary groups and teams.
- Meeting project due dates and managing deliverables across multiple competing priorities.
- Researching and applying self-directed learning to the latest technologies and developments.

## Work term availability

- Winter (January – April)
- Summer (May – August)
- Fall (September – December)

## Work term capabilities

- Troubleshooting and documenting technical problems using appropriate methodologies and tools.
- Analyzing, developing and maintaining robust computing system solutions through validation testing and industry best practices.
- Investigating emerging trends to respond to technical challenges.
- Designing, configuring, troubleshooting, upgrading, and decommissioning computing system infrastructures.
- Selecting and applying scripting tools and programming languages to automate routine tasks.
- Installing, monitoring and optimizing database management systems for specified requirements.
- Designing, implementing and administering technical support processes for computing system infrastructures.
- Implementing computer systems and cloud solutions.

## Employer resources

- [Employer webpage](#)
- [Program information](#)
- [Program course schedule](#)

## Post a job

To post a job, log in to our online platform [Sheridan Works](#).

Don't have an account? Create one today using our [Employer Registration Guide](#).