Computer Systems Technology – Information Systems Engineering (Advanced Diploma)

Meet our students

Our students stand out in the job market for their industry-ready knowledge and skills, and ability to apply them. These students have been presented with numerous opportunities to develop software, design next-generation mobile applications, implement pervasive information systems, and analyze and plan wireless networks. This program fosters an entrepreneurial spirit that embraces the mobile movement and is poised to prepare tomorrow's leaders in the new age of mobility.

Learn more about the classes these students take by visiting the program webpage.

Core competencies and skills

- Using advanced problem-solving skills to investigate emerging trends and respond to technical challenges.
- Applying project management principles and tools within a computing environment.
- Using computer-related mathematics and basic algebra.
- Writing feasibility and system study reports.
- Solving real-world problem using the latest technologies, including:
    - iOS and Android application development
    - Java and Java Frameworks, C#, .NET and .net server development
    - Web technologies and web application development
    - Oracle and SQL server
    - Version control

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Work term availability

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

Work term capabilities

- Diagnosing, 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.
- Selecting and applying scripting tools and programming languages to automate routine tasks.
- Installing, monitoring, and optimizing database management systems in response to specified requirements.
- Designing and implementing technical support processes for computing system infrastructures that align with industry best practices.
- Constructing an end-to-end information system consistent with client requirements and best practices.

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**.

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