# Secure Software Development Lifecycle

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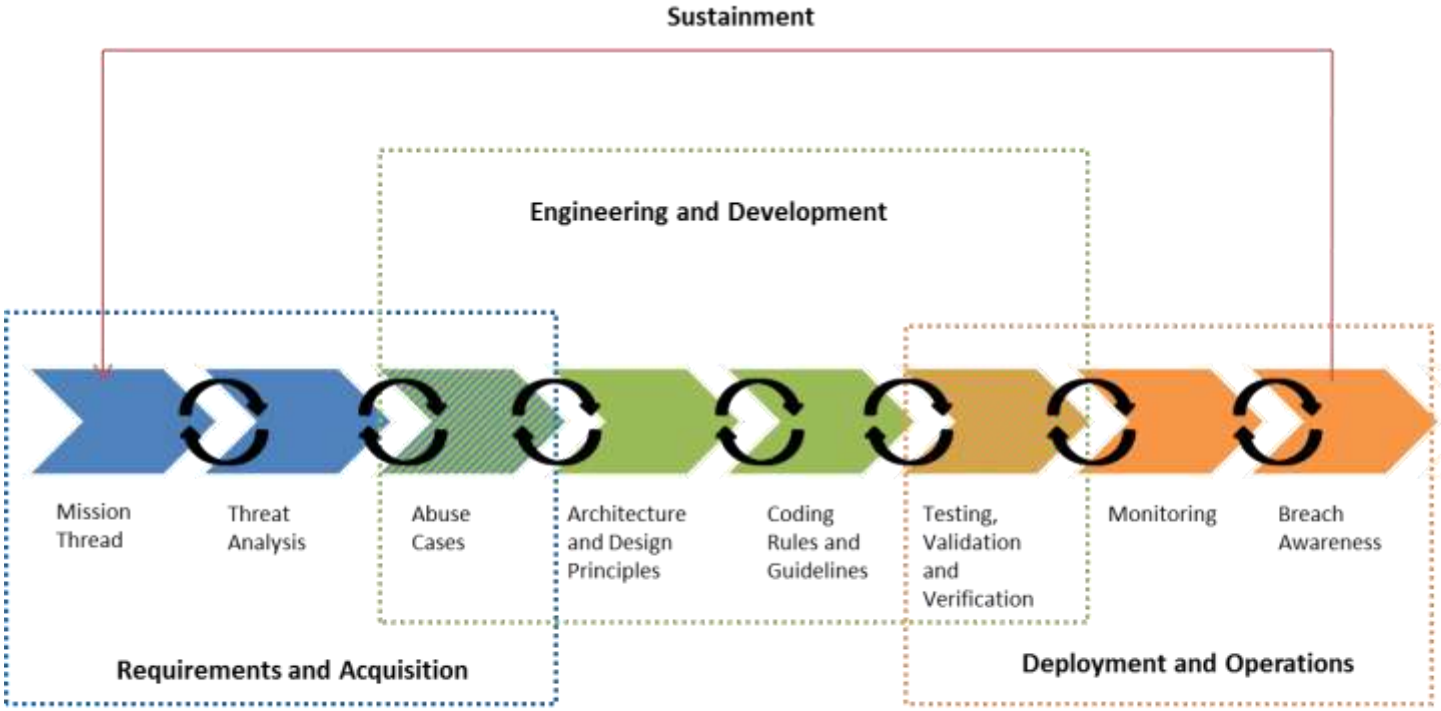
# Security is a lifecycle issue

**Focus on the need to develop the theory, processes, practices and technology to support the agile construction and maintenance of secure software**



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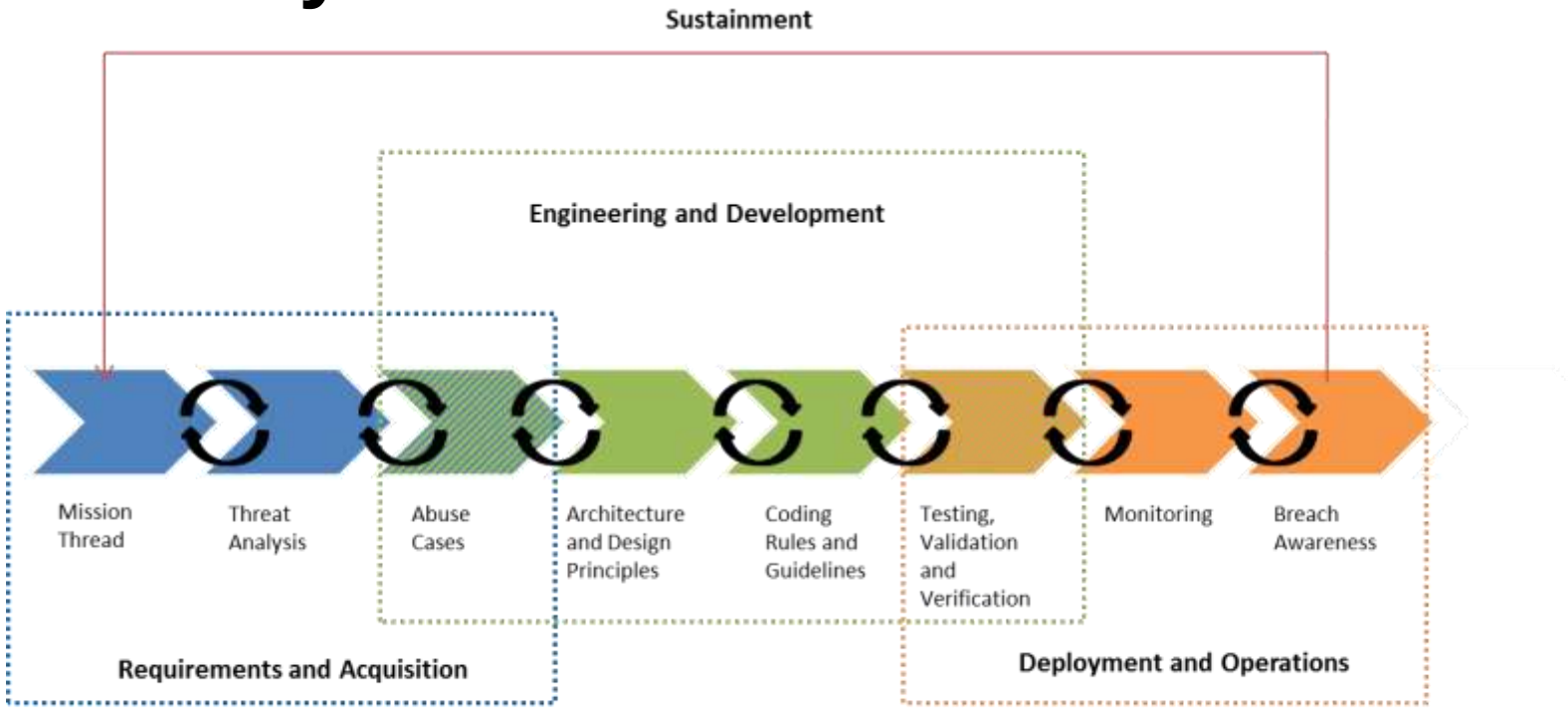
# Cross lifecycle issues




Automation (devsecops)

Acquisition (Supply chain)

Building skills (Workforce development)

Metrics, Models, and Measurement



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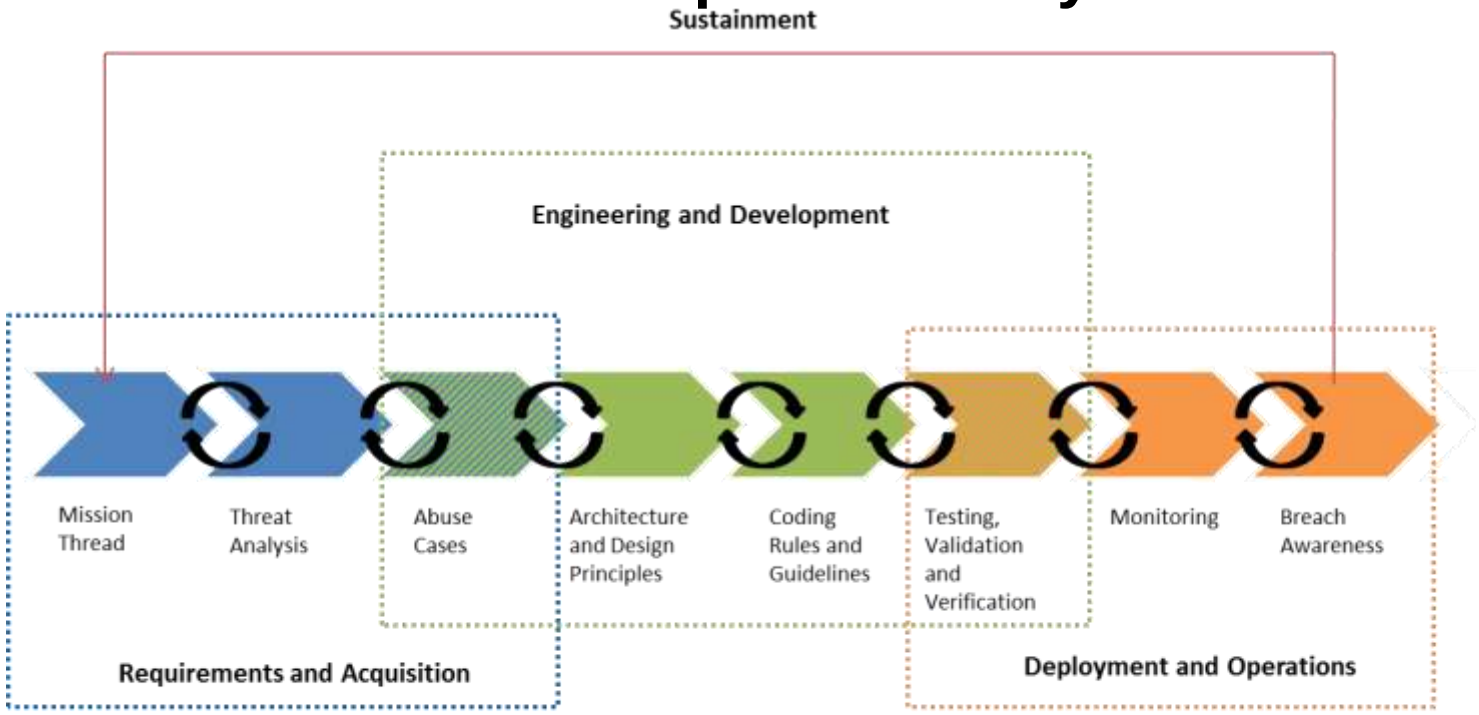
# Review: theory, processes, practices and technology for Secure Software Development Lifecycle




Automation; Acquisition (Supply chain); Building skills (Workforce development); Metrics, Models, and Measurement

*Software Assurance Framework*

*Mission Risk Diagnostic; Threat Modeling; SQUARE; Security Engineering Risk Analysis*

*Architecture Analysis & Design Language*

*Team Software Process; Secure Agile; Secure Coding; SCALe*

*Run time support; Vulnerability Analysis*

*Forensic Operations & Investigations*



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# Contact Information


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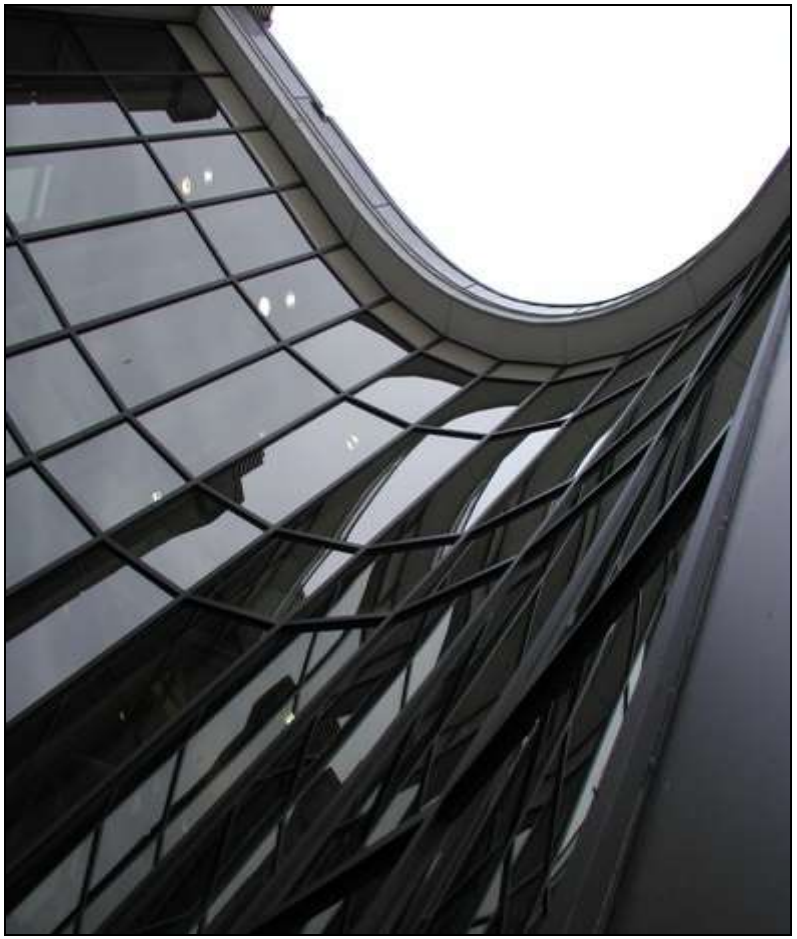
***Web Resources (CERT/SEI)***

http://www.cert.org/

http://www.sei.cmu.edu/



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