Curriculum Guidelines for Software Engineering

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Software Engineering 2004

• Curriculum Guidelines for Undergraduate Software Engineering
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http://sites.computer.org/ccs

Software Engineering 2004

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SEEK Knowledge Areas

- Computing Essentials (172)
- Mathematical & Engineering Fundamentals (89)
- Professional Practice (35)
- Software Modeling & Analysis (53)
- Software Design (45)
- Software V & V (42)
- Software Evolution (10)
- Software Process (13)
- Software Quality (16)
- Software Management (19)

Numbers in parentheses are minimum hours recommended
GSWE 2009

• Curriculum Guidelines for Graduate Software Engineering
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• Adopted by ACM and IEEE-CS in 2010

http://www.gswe2009.org/
SwE Body of Knowledge (SWEBOK)

- Software Requirements Analysis
- Software Design
- Software Construction
- Software Testing
- Software Maintenance
- Software Configuration Management
- Software Engineering Management
- Software Engineering Process
- Software Engineering Tools and Methods
- Software Quality
SWEBOK coverage in 2007 across 28 SwE MS programs