An insurance firm must reconfigure its MIS system to enable agents to securely submit applications and claims through smart phones and tablets.

A car maker must harden its intranet to protect intellectual property as terabytes of data flow to overseas production partners.

The U.S. Army must equip its warfighters with handheld computers that instantly access cloud-based mission-planning applications.

Mobile devices are changing how data is accessed and employed. Remote sensors, digital cameras, email, and social media provide information that does not fit legacy databases, but must be mined for potential business insights. Large applications, “big data,” cloud computing. These are among the developments driving demand for specialists in software engineering—a critical need that SMU’s Lyle School of Engineering is meeting with its Master’s program.

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As one of the first schools to offer a Master’s program in Software Engineering, Lyle is at the forefront of this critical field. Many of the courses offered are based on recommendations from the Software Engineering Institute, delivered by an expert faculty whose research projects include cloud and mobile computing, semantic web development, software reliability economics, safety engineering, process improvement, and creative computing. Students also learn from guest lecturers drawn from top-flight industry partners. The program itself benefits from the input of an industry advisory panel made up of highly qualified business owners, managers, and IT professionals. For anyone seeking a challenging new career or an opportunity to move up, this Master’s program at SMU Lyle offers a practical, proven path.