



Software Engineering

Software Engineering is a discipline that offers tools, processes, methods and techniques to develop and maintain quality software to solve problems. Software engineering is the practical application of computer systems knowledge in the design and development of software, and the required associated documentation, operation, and maintenance. The computer industry has many opportunities for technologically qualified people in software engineering. The Master of Science in Software Engineering is designed to prepare graduates to be pioneers and leaders in the software engineering.

Career Opportunities

- Computer System Engineering
- Computer-Based Media
- Common Object-oriented Engineering
- Database Design/Management Systems
- Software Architecture
- Software Development/Maintenance
- Software Engineering
- Software Project Management
- Software Quality Assurance

Employers of Software Engineers

- Computer Business/Industry
- Consulting
- Educational Technology
- Public/Private Sectors
- Software Companies
- Wireless Communications

Professional Associations and Affiliations

Center for Software Development
www.center.org

The Computer Society
www.computer.org

IEEE Technical Council on Software Engineering
www.tcse.org

Institute of Electrical and Electronic Engineers
www.ieee.org

Jobs for Software Developers & IT Professionals
www.developers.net

San Diego Software Industry Council
www.sdsic.org