

Software Engineering

Software engineering is the application of engineering principles to the creation of software systems. Engineers approach problem-solving in organized ways and follow well-defined, best practices in their work. Likewise, software engineers employ organized ways of thinking about the analysis of problems to be solved and the design of the resulting software solutions, and they follow recognized practices to implement and test new software systems and to put them into production. The Software Engineering major prepares students to enter and excel in this profession.

The tables below are not inclusive but provide a basic listing of career opportunities available to a Software Engineering major.

Positions for those holding a Bachelor's degree in Software Engineering include:

.Net Developer	.Net Engineer	C# Developer
Java Architect	Java Developer	Software Application Developer
Mechanical Engineer	Quality Assurance Engineer	Software Engineer
Systems Engineer	IT Specialist	IT Business Analyst

Positions that may require a Master's or Doctorate include:

Chief Information Officer	Chief Technology Officer	
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More information can be found by utilizing the following Internet resources:

Occupational Outlook Handbook www.bls.gov/oco

O*Net OnLine <http://online.onetcenter.org/>

Software Engineer www.softwareengineer.com

Computing Research Association www.cra.org

IEEE Computer Society www.computer.org

ComputerWork.com www.computerwork.com

Dice www.dice.com

Microsoft Careers <http://www.microsoft-careers.com/>

Computing Research Association <http://www.cra.org/>



AVILA UNIVERSITY
Counseling & Career Services
Hodes Center 118
816-501-2901