

What is Software Engineering?



And why is it so hard?

What is Computer Science?

- Three paradigms (CACM 1/89)
 - Theory (math): definitions, theorems, proofs, interpretations
 - Abstraction (science): hypothesize, model, experiment, analyze data, results
 - Design (engineering): state requirements, design, implement, test

What is Computer Engineering?

- The creative application of engineering principles and methods to the design and development of hardware and software systems [Government site]
- Computer Science in an Engineering School?