COMPUTER ENGINEERING PROGRAM
(BS Degree)

Joint between Computer Science & Electrical Engineering Departments

• Covers some of hottest/most cutting edge areas in engineering, at overlap between CS + EE:
  
  o **Computer architecture** = designing computers
  o **Embedded systems** = consumer electronics (cell phones, digital cameras,…)
    • design both software + hardware
  o **Parallel computing**: programming/compilers/application/processor architecture
  o **VLSI circuits**
  o **Designing complex digital systems**
  o **Computer-aided design (CAD)** = optimization algorithms/software tools
  o **Networking**: Internet, wireless communication, sensor networks

• Students learn both hardware + software design

• MS degree program also offered

• Graduating students:
  
  o well-positioned for jobs in industry: microelectronics, CAD, software, …
  o graduate school: can go on to either CS or EE (or computer engineering)

FORBES.com: **Computer Engineering** = “Most Lucrative College Major”
URL: http://www.forbes.com/2008/06/18/college-majors-lucrative-lead-cx_kb_0618majors.html

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