COMPUTER ENGINEERING
UNDERGRADUATE 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:
  - **Computer architecture** = designing computers
  - **Embedded systems** = consumer electronics (cell phones, digital cameras,…), design both software + hardware
  - **Parallel computing:** programming/compilers/application/processor architecture
  - **VLSI circuits**
  - **Designing complex digital systems**
  - **Computer-aided design (CAD)** = optimization algorithms/software tools
  - **Networking:** Internet, wireless communication, sensor networks
- Students learn both hardware + software design
- Follow-on MS degree program also offered
- Graduating students:
  - well-positioned for jobs in industry: microelectronics, CAD, software,…
  - graduate school: can go on to either CS or EE (or computer engineering)

FORBES.com: Computer Engineering = “Most Lucrative College Major”

Faculty contacts:

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