

Starting Salaries Of Engineers*

\$76,070	Computer Engineering
\$72,930	Electrical Engineering
\$68,449	Materials Engineering
\$67,745	Computer Science
\$66,490	Chemical Engineering
\$63,370	Mining Engineering
\$63,070	Mechanical Engineering
\$57,495	Civil Engineering
\$56,845	Biosystems Engineering

Computer Engineering (CPE) Major

Combines **Electrical Engineering (EE)** and **Computer Science (CS)** majors

- Fewer courses than a CS+EE double major
- Focus on systems that combine hardware and software (e.g., embedded systems)
- More job options than CS or EE alone

Computer Engineering (CPE) Major

COMPUTER ENGINEERING (CPE)						
	ENGINEERING			UK CORE	MATH/SCIENCE	
FRESHMAN	First Year Engineering (3 courses) Programming 1			Comm. 1 Comm. 2	Calc. 1 Calc. 2	Chem. 1 Phys. 1 (with lab)
SOPHOMORE	EE Circuits 1	CPE CPE Professions Digital Logic Embedded Computing	CS Programming 2 Sys. Programming Discrete Math		Calc. 3 Calc. 4	Phys. 2 (with lab)
JUNIOR	Circuits 2 Signal Processing Electronic Devices	Comp. Design 1 Comp. Design 2 CPE Elective Technical Elective	Algorithms	Social Science Humanities	Statistics	
SENIOR	Technical Elective CPE Electives (1 Hardware, 1 Software, 2 CPE) Capstone Design (2 courses)			Citizenship Global Dynamics		

Computer Science + Electrical & Computer Engineering



This is a **Computer Engineering Research Laboratory**

- Research tries to **make computer system hardware and software work together to improve performance, add new abilities**
- Not just for graduate students:
~60 CS, EE, & CPE undergrads are involved in research projects in this lab each year

Ongoing Computer Engineering Research in this lab

- Making parallel supercomputing cheap
 - Quantum & adiabatic computing
 - Digital imaging & computational photography
 - IoT and embedded systems
 - Smarter software for 3D printing
- ... and much more; ask Prof. Dietz or Thapliyal