Notes/links for EECS Junior Advising Session 2023

Review past projects, review faculty listing, come up w/ a project & find advisor
- Some past senior design projects for ideas:
  - http://srproj.eecs.uci.edu/
  - https://projects.eng.uci.edu/projects/department/eecs
- EECS Faculty info/web sites: http://engineering.uci.edu/dept/eecs/faculty-staff/faculty
- Visit Winter’23 Design Review: https://uci.co1.qualtrics.com/jfe/form/SV_7VvF8A9K0kdHZ9s
- Library resources (more below): https://guides.lib.uci.edu/engr_eecs

- Why are classes run the way they are?
  o Program Educational Objectives (PEO’s)
    ▪ tl;dr: Our goal is to prepare you for industry, academia, and life-long learning
    ▪ CpE
        • (1) be engaged in professional practice at or beyond the entry level or enrolled in high quality graduate programs building on a solid foundation in engineering, mathematics, the sciences, humanities and social sciences, and experimental practice as well as modern engineering methods;
        • (2) be innovative in the design, research and implementation of systems and products with strong problem solving, communication, teamwork, leadership, and entrepreneurial skills;
        • (3) proactively function with creativity, integrity and relevance in the ever changing global environment by applying their fundamental knowledge and experience to solve real-world problems with an understanding of societal, economic, environmental, and ethical issues.
    ▪ CSE
        • (1) establish a productive Computer Science and Engineering career in industry, government, or academia;
        • (2) engage in professional practice of computer systems engineering and software systems engineering;
        • (3) promote the development of innovative systems and solutions using hardware and software integration;
        • (4) promote design, research, and implementation of products and services in the field of Computer Science and Engineering through strong communication, leadership, and entrepreneurial skills.
    ▪ EE
        • (1) be engaged in professional practice in academia, industry or government;
• (2) promote innovation in the design, research and implementation of products and services in the field of Electrical Engineering through strong communication, leadership and entrepreneurial skills;
• (3) be engaged in life-long learning in the field of Electrical Engineering.

  o American Board of Engineering and Technology (now just ABET) Accreditation in relation to PEO's
    ▪ Federation of 30 professional and technical societies
    ▪ Practicing professionals from industry and academia form the body of ABET
    • Program Evaluators
    • Board of Directors
    • Accreditation commissions (4 total)
      o Applied and Natural Science Accreditation Commission
      o Computing Accreditation Commission
      o Engineering Accreditation Commission
      o Engineering Technology Accreditation Commission
    • More info: http://abet.org/accreditation/

Who sets the curriculum? Who has a say?
  ▪ Faculty/Staff
  ▪ Industry
  ▪ Alumni
  ▪ Current Students

- Career Opportunities
  o Academic
    ▪ Get your MS and/or PhD degree
    ▪ UCI is a good place to stay
  o Industry
    ▪ Join or start a company
    ▪ Earn $$$$ 
  o Government
    ▪ Change the world!

- Open Discussion
  o Opportunity for Feedback
    ▪ Nobody is perfect
    ▪ There's always room for improvement
    ▪ Your comments/recommendations will be reviewed