

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>
 - Recap of Winter'22 Design Review: <https://engineering.uci.edu/news/2022/4/winter-design-review-returns-engineering-gateway-plaza>
 - 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
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- Why are classes run the way they are?
 - o Program Educational Objectives (PEO's)
 - *tldr: 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.
- 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)
 - Applied and Natural Science Accreditation Commission
 - *Computing Accreditation Commission*
 - *Engineering Accreditation Commission*
 - 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
 - Academic
 - Get your MS and/or PhD degree
 - UCI is a good place to stay
 - Industry
 - Join or start a company
 - Earn \$\$\$\$
 - Government
 - Change the world!
 - Open Discussion
 - Opportunity for Feedback
 - Nobody is perfect
 - There's always room for improvement
 - Your comments/recommendations will be reviewed