

EECE Undergraduate Advising – Updates & Reminders (Spring 2021)

March 19, 2021

1. **Advising must go on with as high of quality interaction as possible:**
 - a. Even though in-person meetings with your advisor are not possible, **you should still be interacting with your advisor (via phone/Zoom/etc.) prior to registering for courses.**
 - b. Your faculty advisor should be in touch soon (if they haven't been in touch already) with instructions for how to schedule a phone or Zoom meeting with you.
2. **Fall Course Modalities:**
 - a. We are still learning about what the learning modalities will be next fall (i.e., in-person vs. remote options). In-person experiences will likely be much expanded, but details are still forthcoming.
3. **ESE 326: Probability and Statistics – preferred section for EECE students:**
 - a. **EECE students are recommended (not required) to take Section 02 (taught by Tucker Krone)** since it has a greater emphasis on statistics and is more relevant to ChE and EnvE.
4. **New Courses Next Year:**
 - a. FL 21: EECE 307 (Transport Phenomena II: Energy and Mass Transfer)
 - i. *Replaces EECE 302 and EECE 303*
 - b. FL21: EECE 409 (Process Design, Economics, and Simulation)
 - i. *Required senior year for ChE and EnvE*
 - c. SP22: EECE 404 (Environmental Engineering Capstone)
5. **Summer Courses:**
 - a. Modified Transfer Credit Policy:
 - i. As they did last year, McKelvey will continue to accept online courses taken over the summer, provided the syllabus is approved for matching content. *Pre-pandemic, only in-person courses were approved for transfer.*
 - ii. Different this year is that EECE will also accept remote labs for CHEM 261: Organic Chemistry I. Previously, the chemistry department required students to take the lab in-person and offered a standalone lab course in the fall at WashU to accommodate the requirement. The chemistry department is offering remote lab options over the summer and will no longer be offering the standalone lab course, so we are permitting remote labs as well.
 - b. McKelvey will also have remote and in-person options for some standard courses (e.g., Tech Writing) – if you do not have other summer plans, these may be worthwhile.
6. **Senior Thesis (EECE 423):**
 - a. Participating in the Senior Thesis (EECE 423) is an excellent way for seniors to earn distinction for research they have been involved in, as well as earn elective credit towards their degree.
 - b. **Rising juniors that have been involved in lab research: You should consider signing up for this program. To participate, contact Dr. Janie Brennan for more details.**
 - c. EECE 423 is similar to an independent study, except it is expected to be done over the course of two semesters (both fall and spring of senior year) with various milestone deliverables due throughout the year. At the end of senior year, the student's thesis will be evaluated by a committee.
 - d. You may only count up to 6 units of 300+ level Independent Study (EECE 300, EECE 400, EECE 500) and/or Senior Thesis (EECE 423) towards your elective requirement.
 - i. *If you have already taken 6 units of Independent Study, Senior Thesis credits would not count towards your degree requirements (but would count as general credit).*
 - e. A Senior Thesis can even be done if you've been researching outside the department (e.g., at the med school). Administratively, an EECE faculty member will need to oversee your EECE 423 course grade, but the rest of the oversight can largely be done by your normal research advisor.