

EECE Undergraduate Advising – Updates & Reminders (Fall 2021)

October 12, 2021

1. **Summer Plans:**
 - a. It's time to be thinking about your plans for next summer! Please discuss this with your advisor, as they might have some good ideas for what you can do.
 - b. For suggestions/tips on how to apply for internships or where to find summer research positions, see the EECE FAQ page: <https://students.engineering.wustl.edu/advising/eece/faq.shtml#keyword85>
2. **New/Changed Courses:**
 - a. **EECE 306: Biology in EECE / EECE 506: Bioprocess Engineering I: Fundamentals and Applications** will have a combined lecture period. Students taking EECE 306 and students taking EECE 506 will have distinct course assignments and deliverables appropriate to their course level.
 - b. **EECE 404: Environmental Engineering Capstone** will be taught for the first time this spring.
 - c. **EECE 428: Introduction into Zymurgy** will tentatively be offered this spring (barring issues with Urbauer basement construction or COVID restrictions).
 - d. **EECE 512: Combustion Phenomena** will be taught this spring (instead of this past fall).
3. **ESE 326: Probability and Statistics – preferred section for EECE students:**
 - a. Due to differences in desired course content among departments (emphasis on probability vs. statistics), the content delivered in ESE 326 is different in the two different sections.
 - b. **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. **BSChE and BSEnvE Program Clarifications:**
 - a. The websites for the [EECE Undergraduate Programs](#) have been updated to clarify degree requirements. Please check the updated electives lists for the [BSChE](#) and [BSEnvE](#) programs to see the up-to-date list of approved electives courses.
 - b. The WUAchieve audits for both the BSChE and BSEnvE have also been updated to clarify degree requirements and electives options.
5. **Study Abroad and Co-op (applies primarily to sophomores):**
 - a. Study abroad options for both ChE and EnvE students have recently been expanded to include options in Australia, New Zealand, and Scotland.
 - b. If you wish to do a study abroad or industry co-op experience, the best time to do this is most commonly spring of Junior year. Students interested in studying abroad should meet with Melanie Osborn in Student Services to discuss their course plan.
6. **Fundamentals of Engineering (FE) Exam (applies primarily to seniors):**
 - a. Many engineering careers (particularly those in EnvE) may benefit or require professional licensure. Passing the FE Exam is the first step towards that goal.
 - b. For those interested, the FE Exam should be taken shortly before or after graduation. McKelvey offers a 1-credit course to help you review: **ESE 401: Fundamentals of Engineering Review**
 - c. For more information on the exam, see: <https://ncees.org/engineering/fe/>
 - d. *Because the BSEnvE program is not yet ABET-accredited, additional steps will need to be taken prior to registering for the FE exam. Additional information on this process will be provided as part of EECE 404: Environmental Engineering Capstone.*
7. **Career Support from the Career Center and McKelvey Industrial Relations:**
 - a. [Career Outcome Data](#): Academic/industry breakdowns, hiring employers, and salary data
 - b. [CAREERlink](#): University-wide system for job postings and events
 - c. [McKelvey Industry Connect](#): Featured engineering jobs, events, industry advice, and resources