

TO: The Faculty of Engineering
FROM: The Faculty of Engineering Education
RE: Updates to FYE Requirements

The Faculty of Engineering Education has approved the following revision to the FYE Requirements and they have been subsequently approved by the First-Year Engineering Committee.

These additions/revisions to the FYE requirements will be effective with the Fall 2023 catalog term (registrar term 202410). This EFD replaces EFD 69-20, the current document outlining FYE Requirements.

SUMMARY OF UPDATES:

- The addition of ENGR 13000 as a course which will fulfill the course requirements in sections I.1 and I.2.
 - ENGR 13000 is a 4-credit course that covers the learning objectives of ENGR 13100 and ENGR 13200. This course is specifically designed for FYE students who have the ability to complete FYE requirements in 1-semester, for CODO students, or transfer students to the schools. It has been successfully offered as a pilot since Fall 2019 under the number ENGR 19500. The course was given a permanent number on Fall 2020 (EFD 61-21). Currently, the course is offered in Fall and Spring.
 - Enrollment history – Fall 2020 (48), Fall 2021 (76) and Spring 2022 (53)
- The addition of VIP 17911 and VIP 17912 (in addition to one semester of ENGR 13300) as courses which will fulfill the course requirements in sections I.1 and I.2.
 - VIP 17911 and VIP 17912, First-Year Participation in Vertically Integrated Projects (VIP) I & II (previously offered as ENGR 17911/17912 and established via EFD 90-19 and EFD 91-19), are established 1-credit hour courses that provide an opportunity for First-Year Engineering students “to engage in authentic and extended research and design projects” in any engineering discipline.
 - Enrollment history for VIP 17911 – Fall 2019 (23), Fall 2020 (98), Fall 2021 (144) and Fall 2022 (145)
 - Enrollment history for VIP 17912 – Spring 2020 (22), Spring 2021 (94), and Spring 2022 (130)
- The update of all ENFY courses with their new ENGR prefixes
- A description of the relationship between ENE and VIP and between ENE and EPICS is included as an attachment



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FYE REQUIREMENTS (FOR FALL 2023 ENTRY TO PURDUE AND BEYOND):

I. **COURSES:** To complete FYE and be eligible for consideration for entry into an Engineering degree program, a student must complete the following courses:

1. * ~~ENGR 13000~~, ~~ENFY ENGR 13100~~, ENGR 16100, or [EPCS 11100 and EPCS 12100], or [VIP 17911 and VIP 17912]
2. * ~~ENGR 13000~~, ~~ENFY ENGR 13200~~, ENGR 16200, or ~~ENFY ENGR 13300~~
3. MA 16100 or MA 16500
4. MA 16200, MA 16600, or MA 17300
5. CHM 11500 or [CHM 11100 and CHM 11200]
6. PHYS 17200, or [ENGR 16100 and ENGR 16200]
7. A FYE selective course, chosen from:
 - a. CHM 11600
 - b. CS 15900
 - c. BIOL 11000
 - d. BIOL 11100
8. Two of the following four courses:
 - a. A course that meets the Written Communication foundational outcome (typically ENGL 10600 or ENGL 10800)
 - b. A course that meets the Oral Communication foundational outcome (typically COM 11400)
 - c. ENGL 11000 (this option is available only for students who have a TOEFL score in their student record)
 - d. ENGL 11100 (this option is available only for students who have a TOEFL score in their student record)

* Students can complete course requirements 1 and 2 by taking any of the following combinations of courses:

- ~~ENFY ENGR 13100~~ and ~~ENFY ENGR 13200~~ option
- ~~ENGR 13000~~ option
- Honors option: ENGR 16100 and ENGR 16200
- EPICS option: ~~ENFY ENGR 13300~~ and EPCS 11100 and EPCS 12100. (~~ENFY ENGR 13300~~ must be taken concurrently with EPCS 11100; EPCS 12100 must be taken after passing EPCS 11100)
- VIP option: ENGR 13300 and VIP 17911 and VIP 17912. (ENGR 13300 must be taken concurrently with VIP 17911; VIP 17912 must be taken after passing VIP 17911)

In the event that a student decides to drop from the EPICS, Honors, or VIP option, the student can still complete course requirements 1 and 2 by:

- Taking and passing ~~ENFY ENGR 13300~~ and ~~ENFY ENGR 13100~~. Students cannot complete course requirement 1 by just taking and passing EPCS 11100 and EPCS 12100. If a student fails ~~ENFY ENGR 13300~~ and does not want to repeat the course, the student must take ~~ENGR 13000~~ or [~~ENFY ENGR 13100~~ and ~~ENFY ENGR 13200~~] to complete course requirements 1 and 2

- Taking ENGR 16100 and ~~ENFY~~ ENGR 13200. A student in this situation **might** **would** need to take PHYS 17200 to fulfill course requirement 6 **unless they have credit some other way**.

MINIMUM GRADES: Earned grades must be C- or better for any course used to meet the requirements above, if the grade posts to the Purdue transcript.

GRADE AVERAGE: To complete FYE, the student's cumulative GPA must be of 2.00 or greater, and an Engineering Admissions Index (EAI) must be 2.00 or greater. Calculation of the EAI is equivalent to the calculation of GPA for courses used to meet all FYE requirements 1-8 above. If a student meets a requirement in more than one way, only one will be used to calculate the EAI. The FYE ~~Curriculum~~ Committee will be responsible for keeping an updated, clear, and universal set of rules for determining which course is used in EAI for these situations. The FYE Advising Office will make these rules available to students.