

TO: The Engineering Faculty
FROM: The Faculty of the Sch. of Chem. Engr., Prof. MS Program Grad. Committee
RE: New Engineering Track

The Faculty of the Davidson School of Chemical Engineering has approved the following new Track from the College of Engineering. This action is now submitted to the Engineering Faculty with a recommendation for approval.

TITLE:

Chemical Engineering PMP Internship Track

DESCRIPTION:

The Professional MS program students in the Davidson School of Engineering are receiving impressive offers for industry based internships during their time in the program. We have embraced these opportunities, recognizing the value to the students' experience, by developing guidelines that maintain the integrity of the student's academics, while allowing the student to participate in this valuable opportunity.

Implementation (*expect to implement Fall 2025*)

1) Declaration of track - both tracks available to students in all concentrations and at both PWL and Indianapolis

During the first semester of enrollment, as students submit the plan of study, they will declare a track and will be written in the Plan of Study Supplemental Notes. If opting for the internship track, but fail to receive an offer, the student would be moved to the non-internship track.

2) Academic Requirements

The current academic requirements would remain the same for both tracks as noted below:

- 2 Required Core courses (6 cr. hrs.)
- 3 Concentration based and approved elective courses (9 cr. hrs.)
- 3 Mgmt./Business related and approved courses (9 cr. hrs.)
- Capstone Course (6 cr. hrs.)

3) The Internship and Non-Internship tracks would be listed on the Chemical Engineering PMP web site.

4) The addition of the internship track does not imply obligation by the Davidson School of Chemical Engineering or OPP to 'find' the student an internship opportunity.

5) The internship track would stipulate a maximum of 2 semesters (including summer) for an internship with 1 employer.

6) This will affect enrollment projections in the Capstone Course; therefore, a deadline will be set for the student to receive an offer that would begin in the upcoming semester.

RATIONALE:

Since Spring 2022, there have been 34 PMP students who have been approved for an industry based (off-campus) internship. These internships were managed by the Chemical Engineering PMP Program Manager and the Office of Professional Practice (OPP). After receiving program approval, students are then directed by OPP staff to register in the OPP “ENGR” course and applying with Purdue ISS for CPT. By collaborating with OPP in managing the internships, we can utilize their staff expertise and oversight, but also their “ENGR” courses with established deliverables. The fee for enrollment in OPP’s ENGR courses is zero (0) and the student is classified as full-time during the internship semesters. It is important to emphasize that in addition to the opportunities noted earlier, there have been students who have received offers that could not be approved due to the work duration the company was allowed to offer, and we did not list the internship as a requirement within a specific track.



Director, Professional MS Program, Davidson School of Chemical Engineering on behalf of
Prof. Sangtae Kim, Jay and Cynthia Ihlenfeld Head of Chemical Engineering
Distinguished Professor

Link to Curriculog entry:

<https://purdue.curriculog.com/proposal:28822/form>

Proposal for Internship track to Chemical Engineering Professional MS Concentrations

Background and Current State

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