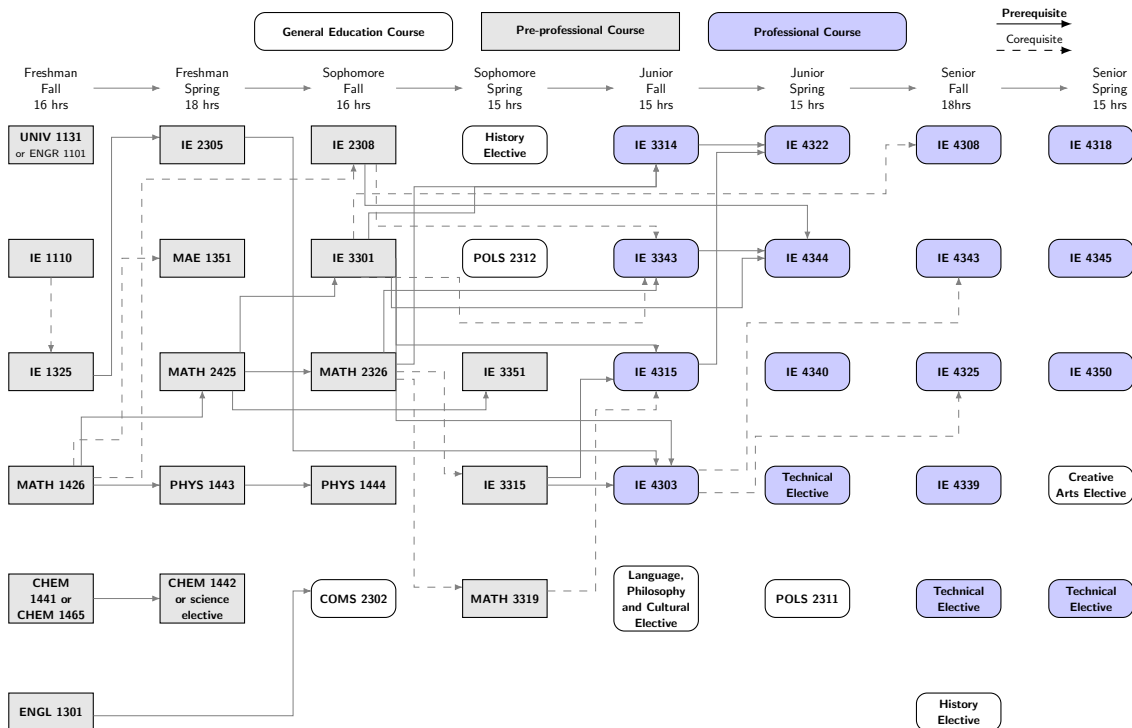


## 2025-2026 Industrial Engineering Curriculum Flow Chart



Notes: 1. To be in good academic standing within the IMSE department, each student must maintain a minimum 3-GPA calculation of 2.50 in the pre-professional program. In addition, there may be no more than four repeats of pre-professional engineering courses. In the professional program, each student must maintain a minimum UGA cumulative GPA of 2.0 and a minimum major GPA of 2.0. 2. No professional course may be taken unless the student is admitted into the professional program or obtains the consent of the Undergraduate Advisor. Professional courses may be taken to fill out a schedule in the semester that the last pre-professional course is taken. 3. Most professional courses are offered only once a year. Students are urged to plan their course sequence schedules carefully to avoid delaying their graduation.

# BS in Industrial Engineering - Course Requirement Details

## Freshman Fall – 16 Hours

### Pre-Professional Courses:

UNIV 1131 or ENGR 1101  
IE 1110 – Corequisite: IE 1325  
IE 1325  
MATH 1426  
CHEM 1441 or CHEM 1465  
ENGL 1301

## Freshman Spring – 18 Hours

### Pre-Professional Courses:

IE 2305– Prerequisite: IE 1325  
MAE 1351– Corequisite: MATH 1426  
MATH 2425– Prerequisite: MATH 1426  
PHYS 1443– Prerequisite: MATH 1426  
CHEM 1442 or science elective– Prerequisite:  
CHEM 1441 or CHEM 1465

## Sophomore Fall – 16 Hours

### Pre-Professional Courses:

IE 2308– Corequisite: MATH 1426  
IE 3301– Prerequisite: MATH 2425  
MATH 2326– Prerequisite: MATH 2425  
PHYS 1444– Prerequisite: PHYS 1443

### General Education Courses:

COMS 2302 – Prerequisite: ENGL 1301

## Sophomore Spring – 15 Hours

### Pre-Professional Courses:

IE 3351- Prerequisite: Math 2425  
IE 3315 – Corequisite: MATH 2326  
MATH 3319 – Corequisite: MATH 2326

### General Education Courses:

History Elective  
POLS 2312

## Junior Fall – 16 Hours

### Professional Courses:

IE 3314– Prerequisites: IE 3301, MATH 2326  
IE 3343 – Prerequisite: Math 2326; Corequisites:  
IE 2308, IE 3301  
IE 4315 – Prerequisites: IE 3301, IE 3315;  
Corequisite: Math 3319  
IE 4303– Prerequisites: IE 2305, IE 3301, IE  
3315

### General Education Course:

Language, Philosophy and Cultural Elective

## Junior Spring – 15 Hours

### Professional Courses:

IE 4322– Prerequisites: IE 3314, IE 4315  
IE 4344– Prerequisites: IE 2308, IE 3343, IE  
3301  
IE 4340  
One Technical Elective  
General Education Courses:  
POLS 2311

## Senior Fall – 18 Hours

### Professional Courses:

IE 4308– Corequisite: IE 3301  
IE 4343– Corequisites: IE 4303  
IE 4325 – Corequisite: IE 4303  
IE 4339  
One Technical Elective

### General Education Courses

History Elective

## Senior Spring – 15 Hours

### Professional Courses:

IE 4318  
IE 4345  
IE 4350 – Prerequisite: All required 4000 level IE  
courses or concurrent enrollment  
One Technical Electives

### General Education Courses:

Creative Arts Elective