

First Year Engineering Courses (31 credits)

<https://engineering.purdue.edu/ENE/InfoFor/CurrentStudents/FYEPlan>

- _____ (4) CHM 11500 General Chemistry I
- _____ (4) CHM 11600 General Chemistry II (*satisfies FYE Science Selective requirement*)
- _____ (3) COM 11400 Fundamentals of Speech (*satisfies FYE General Education Elective*)
- _____ (4/3) ENGL 10600 English Composition or ENGL 10800 Accelerated English Composition
- _____ (2/3.5) ENGR 13100 Transforming Ideas to Innovation I or ENGR 14100 Honors Innovation & Creativity in Engineering Design I
- _____ (2/3.5) ENGR 13200 Transforming Ideas to Innovation II or ENGR 14200 Honors Innovation & Creativity in Engineering Design II
- _____ (4/5) MA 16500/16100 Calculus I
- _____ (4/5) MA 16600/16200 Calculus II
- _____ (4) PHYS 17200 Mechanics

Chemical Engineering Major Courses (81 credits)

https://engineering.purdue.edu/ChE/Academics/Undergrad/degree_requirements

ChE Core Courses (41 credits)

- _____ (0) CHE 20000 ChE Sophomore Seminar
- _____ (4) CHE 20500 ChE Calculations
- _____ (4) CHE 21100 Intro ChE Thermodynamics
- _____ (0) CHE 30000 ChE Junior Seminar
- _____ (3) CHE 30600 Design of Staged Separation Processes
- _____ (3) CHE 32000 Statistical Modeling & Quality Enhancement
- _____ (4) CHE 34800 Chemical Reaction Engineering
- _____ (4) CHE 37700 Momentum Transfer
- _____ (4) CHE 37800 Heat & Mass Transfer
- _____ (1) CHE 40000 ChE Senior Seminar
- _____ (3) CHE 42000 Process Safety Management
- _____ (4) CHE 43500 ChE Laboratory
- _____ (4) CHE 45000 Design & Analysis of Processing Systems
- _____ (3) CHE 45600 Process Dynamics & Control

ChE Science Core (18 credits)

- _____ (3) CHM 26100 Organic Chemistry I
- _____ (1) CHM 26300 Organic Chemistry Laboratory I
- _____ (3) CHM 26200 Organic Chemistry II
- _____ (1) CHM 26400 Organic Chemistry Laboratory II
- _____ (3) CHM 37000 Physical Chemistry
- _____ (4) MA 26100 Multivariate Calculus
- _____ (3) PHYS 24100 Electricity & Optics

ChE Selectives - Select course for each requirement. (22 credits)

https://engineering.purdue.edu/ChE/Academics/Undergrad/degree_requirements

- _____ (3) _____ Biology Selective
- _____ (3) _____ Chemical Engineering Selective
- _____ (3) _____ Engineering Selective
- _____ (3) _____ Engineering Selective
- _____ (3/4) _____ Math Selective I
- _____ (3/4) _____ Math Selective II
- _____ (3) _____ Technical Selective

General Education Electives (18 credits) <https://engineering.purdue.edu/ENE/InfoFor/CurrentStudents/genedcourses>

- _____ (3) _____ General Education Elective
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- _____ (3) _____ General Education Elective

The student is ultimately responsible for knowing and completing all degree requirements.

Degree Works is knowledge source for specific requirements and completion

Chemical Engineering

https://engineering.purdue.edu/ChE/Academics/Undergrad/degree_requirements

Suggested Arrangement of Courses: 5 Term Co-Op (Summer Start)

Fall 1st Year		Spring 1st Year		Summer 1st Year	
4	CHM 11500	4	CHM 11600	0	CHE 29199: Work Session I
4	ENGL 10600	3	COM 11400		
2	ENGR 13100	2	ENGR 13200		
4	MA 16500	4	MA 16600		
		4	PHYS 17200		
14	Total Credits	17	Total Credits	0	Total Credits
Fall 2nd Year		Spring 2nd Year		Summer 2nd Year	
0	CHE 20000	0	CHE 29299: Work Session 2	0	CHE 20100
0	CHE 20100			3	CHM 26200
4	CHE 20500			1	CHM 26400
3	CHM 26100			3 or 4	Math Selective I
1	CHM 26300				
3	General Education Elective				
4	MA 26100				
3	PHYS 24100				
18	Total Credits	0	Total Credits	7 or 8	Total Credits
Fall 3rd Year		Spring 3rd Year		Summer 3rd Year	
0	CHE 39399: Work Session 3	4	CHE 21100	0	CHE 39499: Work Session 4
		0	CHE 30100		
		0	CHE 30000		
		3	CHE 32000		
		4	*CHE 37700		
		3	General Education Elective		
		3 or 4	Math Selective II		
0	Total Credits	17/18	Total Credits	0	Total Credits
Fall 4th Year		Spring 4th Year		Summer 4th Year	
3	Biology Selective	0	CHE 39599: Work Session 5	0	CHE 30100
0	CHE 30100			3	General Education Elective
4	CHE 34800			3	General Education Elective
4	CHE 37800			3	General Education Elective
3	CHM 37000				
3	General Education Elective				
17	Total Credits	0	Total Credits	9	Total Credits
Fall 5th Year		Spring 5th Year			
3	CHE 30600	4	CHE 43500		
1	CHE 40000	4	CHE 45000		
3	CHE 40100	3	CHE Selective		
3	CHE 42000	3	Technical Selective		
3	CHE 45600				
3	Engineering Selective				
16	Total Credits	14	Total Credits		

Courses offered during a fall or spring only term are listed in **bold italics**.

*Co-Op Students will need to see their advisor to concurrently enroll in CHE 21100 and 37700.

Students must earn a "C" or better in CHE 20500.

130 semester credits required for Bachelor of Science degree in Chemical Engineering.

2.0 Graduation GPA required for Bachelor of Science degree.

The student is ultimately responsible for knowing and completing all degree requirements.

Degree Works is knowledge source for specific requirements and completion
