

Student Information

Name: _____ OSU ID: _____ OSU Admit Term: _____

Phone: _____ Email (name.number@osu.edu): _____

Suggested Curriculum

This should be used as a **guide** only. Semester offerings are subject to change.

Year	Autumn	Spring
1	___ CHEM 1210 (<i>Gen Chem I</i>) 5 hr ___ MATH 1151 (<i>Calculus I</i>) 5 hr ___ ENGR 1181.xx (<i>Fundamentals of ENGR I</i>) 2 hr ___ ENGR 1100.15 (<i>Engineering Survey</i>) 1 hr ___ General Education 1201 (<i>Launch Seminar</i>) 1 hr	___ CHEM 1220 (<i>Gen Chem II</i>) 5 hr ___ MATH 1172 (<i>Engineering Math A</i>) 5 hr ___ ENGR 1182.xx (<i>Fundamentals of ENGR II</i>) 2 hr ___ Engr 1221 2 hr ___ General Education (<i>Foundation</i>) 3 hr
2	___ CHEM 2510 (<i>Organic Chemistry I</i>) 4 hr ___ MATH 2173 (<i>Mathematical Topics for Engineers</i>) 3 hr ___ PHYSICS 1250 (<i>Mechanics, Thermal, Waves</i>) 5 hr ___ CBE 2100 (<i>Chemical Engineering Seminar</i>) 1 hr ___ CBE 2200 (<i>Process Fundamentals</i>) 3 hr	___ CHEM 2520 (<i>Organic Chemistry II</i>) 4 hr ___ CHEM 2540 (<i>Organic Chemistry Lab I</i>) 2 hr ___ CBE 2345 (<i>Computational Methods for ChE</i>) 3 hr ___ CBE 3508 (<i>Thermodynamics I</i>) 3 hr ___ General Education (<i>Foundation</i>) 3 hr
3	___ CBE 2420 (<i>Transport Phenomena I</i>) 3 hr ___ CBE 2523 (<i>Separation Processes</i>) 3 hr ___ CBE 3509 (<i>Thermodynamics II</i>) 3 hr ___ CBE 5779 or Math/Stats Technical Elective 3 hr ___ General Education (<i>Foundation</i>) 3 hr	___ CHEM 4300 (<i>Physical Chemistry I</i>) 3 hr ___ CBE 3421 (<i>Transport Phenomena II</i>) 3 hr ___ CBE 3610 (<i>Kinetics and Reactor Design</i>) 3 hr ___ CBE 3730 (<i>Unit Operations Lab I</i>) 1 hr ___ General Education (<i>Foundation</i>) 3 hr ___ Technical Elective 3 hr
4	___ CBE 3422 (<i>Transport Phenomena III</i>) 3 hr ___ CBE 3731 (<i>Unit Operations Lab II</i>) 1 hr ___ CBE 4760 (<i>Process Design, Econ, & Strategy</i>) 3 hr ___ Technical Elective 3 hr ___ General Education (<i>Foundation</i>) 3 hr ___ General Education (<i>Theme: Citizenship for Just</i>) 4 hr	___ CBE 3732 (<i>Unit Operations Lab III</i>) 2 hr ___ CBE 4624 (<i>Process Dynamics and Control</i>) 3 hr ___ CBE 4755 (<i>Process Safety</i>) 2 hr ___ CBE 4764 (<i>Process Sim & Product Eng</i>) 3 hr ___ Technical Elective 3 hr ___ General Education (<i>Theme: Student Choice</i>) 4 hr

Program Options

Students who have credit for Biology 1101 or higher may substitute Biochemistry 4511 in place of Chemistry 2520.

Acceptance Criteria

Acceptance into this program is based upon a holistic review of the student's record including essays. Please review admission/acceptance criteria on the College of Engineering website:

https://advising.engineering.osu.edu/current_students/applying-your-major

Technical and Other Electives

Students have the option to complete a biomolecular, environmental, or polymer focus for their technical elective plan. Each focus will require the completion of two approved courses in CBE plus one additional course in CBE or in another department. All students will also be required to complete one math or statistics technical elective.

____ CBE XXXX.....(3 hr)
____ CBE XXXX.....(3 hr)
____ CBE 5779 or Math/Stat elective.....(2-4 hr)
____ Additional Course XXXX(2-4 hr)
____ **Total Hours (minimum of 12 are required)**

General Education Requirements

Launch Seminar

GENED 1201 1 hr

Foundations

Complete all of the following.

<u>Writing and Information Literacy</u>	<u>3 hr</u>
<u>Historical and Cultural Studies</u>	<u>3 hr</u>
<u>Social and Behavioral Sciences</u>	<u>3 hr</u>
<u>Race, Ethnicity, and Gender Diversity</u>	<u>3 hr</u>
<u>Literary, Visual, and Performing Arts</u>	<u>3 hr</u>

Thematic Pathways

<u>Citizenship for a Just and Diverse World</u>	<u>4-6 hr</u>
<u>Additional Theme(s)</u>	<u>4-6 hr</u>