Pitt State

Name:

ID:

Polymer Chemistry, Bachelor of Science

Catalog 2024-25

This academic degree map is a term-by-term course schedule designed for you to graduate in four years. The sample schedule below serves as a general guideline to building a full-time schedule for each term. Earning a degree requires that you complete (1) the required General Education courses, (2) the course requirements of your major and (3) any requirements PSU has designated for a Bachelor degree. Courses and special notes are specified to keep you on track to graduate in four years. Where open elective is listed, it means that you may take a course of your choosing, perhaps a course in an area outside of your major, but be sure to discuss this with your advisor.

This map is not a substitute for academic advisement – contact your advisor if you have any questions throughout the term and as you begin planning for the next. The University Catalog is also available as a resource with a complete list of requirements for all degrees offered at PSU.

Recommended 4-years to graduation plan

Code	Semester 1 - FRESHMAN YEAR	Credit	NOTES
CHEM 215	General Chemistry I (SGE)[040] Suggested	3	
CHEM 216	General Chemistry I Lab(SGE)[040] Suggested	2	
ENGL 101	English Composition (SGE)[010]	3	C or better
UGS 150	Gorilla Gateway (SGE)[070]	2	
MATH 150	Calculus I (SGE)[030]	5	
	TOTAL CREDIT HOURS	**15**	

Code	Semester 2 - FRESHMAN YEAR	Credit	NOTES
CHEM 225	General Chemistry II	3	
CHEM 226	General Chemistry II Lab	2	
PHYS 104	Engineering Physics I	4	
PHYS 130	College Physics I Lab	1	
PSYCH 155	General Psychology (SGE)[050] Suggested	3	
	TOTAL CREDIT HOURS	**13**	

	Semester 3 - SOPHOMORE YEAR	Credit	
CHEM 325	Organic Chemistry I	3	
CHEM 326	Organic Chemistry I Lab	2	
CHEM 360	Intro to Poly Science Tech	3	WF only
ENGL 299	Intro to Research Writing (SGE)[010]	3	C or better
PHYS 105	Engineering Physics II	4	
PHYS 131	College Physics II Lab	1	
	TOTAL CREDIT HOURS	**16**	

	Semester 4 - SOPHOMORE YEAR	Credit	
CHEM 335	Organic Chemistry II	3	
CHEM 336	Organic Chemistry II Lab	2	
COMM 207	Speech Communication (SGE)[020]	3	
200+	Polymer Chemistry Elective	3	
Bucket 050	Social & Behavioral Science (SGE)[050]	3	
	TOTAL CREDIT HOURS	**14**	

	Semester 5 - JUNIOR YEAR	Credit	
200+	Polymer Chemistry Elective	3	
PET 370	Thermoplastic Resins Lab	1	WF only
PET 371	Thermoplastic Resins	3	WF only
Bucket 060	Arts & Humanities (SGE)[060]	3	
300+	Open Elective	3	
300+	Open Elective	3	
	TOTAL CREDIT HOURS	**16**	

	Semester 6 - JUNIOR YEAR	Credit	
CHEM 625	Polymer Synthesis	3	SP only
CHEM 626	Polymer Synthesis Lab	2	SP only
CHEM 680	Physical Properties of Polymers	3	
200+	Polymer Chemistry Elective (CHEM 683 sug.)	3	
Bucket 060	Arts & Humanities (SGE)[060]	3	
300+	Open Elective	3	
	TOTAL CREDIT HOURS	**17**	

	Semester 7 - SENIOR YEAR	Credit	
CHEM 681	Polymer Chemistry Colloquium	1	
Bucket 070	Institutionally Designated (SGE)[070]	3	
Bucket 070	Institutionally Designated (SGE)[070]	1	
100+	Open Elective	3	
300+	Open Elective	3	
300+	Open Elective	3	
	TOTAL CREDIT HOURS	**14**	

	Semester 8 - SENIOR YEAR	Credit	
CHEM 611	Senior Review and Assessment	1	
CHEM 690	Selected Research in Polymer Chemistry	3	
PET 374	Thermoset Resins Lab	1	
PET 375	Thermoset Resins	3	
300+	Open Elective	3	
300+	Open Elective	4	
	TOTAL CREDIT HOURS	**15**	

Writing to Learn: Typically one from general education and one in major coursework.

Systemwide General Education (SGE) Key

010 English
020 Communications
030 Math & Statistics
040 Natural & Physical Sciences
050 Social & Behavioral Sciences
060 Arts & Humanities
070 Institutionally Designated