

Chemistry Nanotechnology (BS)

The following course sequence sheet is for illustrative purposes only and should not be construed as formal academic advisement. Course selections and sequence may vary depending on course availability and counsel from your academic adviser. You should consult an academic adviser before developing an actual academic plan.

Cr.	First Semester	Cr.	Second Semester
4	CHEM.115 Chemistry for the Sciences 1	4	CHEM.116 Chemistry for the Sciences 2
4	MATH.125 Calculus I	4	MATH.126 Calculus II
3	General Education Course	3	ENGLISH.101 Found of College Writing
3	General Education Course	3	General Education Course
1	INTSTUDY.100 University Seminar (opt)		
14	Total Semester Credits	15	Total Semester Credits
Cr.	Third Semester	Cr.	Fourth Semester
4	CHEM.231 Organic Chemistry I	4	CHEM.232 Organic Chemistry II
4	MATH.225 Calculus III	3	CHEM.251 Inorganic Chemistry
4	PHYSICS.211 General Physics I	1	CHEM.281 Introduction to Scientific Literature
3	General Education Course	4	PHYSICS.212 General Physics II
		3	General Education Course
15	Total Semester Credits	15	Total Semester Credits
Cr.	Fifth Semester	Cr.	Sixth Semester
4	CHEM.361 Physical Chemistry I		GENTRANS.403 Nanotechnology Practicum* at PSU
3	CHEM.321 Analytical Chemistry	3	E SC 211 Material Safety, & Equipment Overview
1	General Education Course	3	E SC 212 Basic Nanotechnology Processes
3	General Education Course		GENTRANS.406 Nanotechnology Practicum* at PSU
3	General Education Course	3	E SC 213 Materials in Nanotechnology
1	General Education Course	3	E SC 214 Lithography for Nanotechnology
			GENTRANS.408 Nanotechnology Practicum* at PSU
		3	E SC 215 Materials Modification in Nanotechnology
		3	E SC 216 Charact/Testing of Nano Struct. & Materials
15	Total Semester Credits	18	Total Semester Credits
Cr.	Seventh Semester	Cr.	Eighth Semester
4	Chemistry Elective 1 of 2	3	Chemistry Elective 2 of 2
3	General Education Course	3	General Education Course
3	General Education Course	3	General Education Course
3	General Education Course	3	General Education Course
1	General Education Course	3	General Education Course
14	Total Semester Credits	15	Total Semester Credits

Total credits 120