

## Undergraduate Major Map

**Catalog Year** 2023  
**College / School** Arts, Sciences & Education  
**Major** Chemistry - BA  
**Track / Concentration** Biochemistry  
**Career Path** Two Year Transfer

<b>Fall Term 2023</b>				<b>Term Hours:</b> 14
The major map should be used as a general guide. Please make sure to meet regularly with your academic advisor and use your Panther Degree Audit to track your requirements. Also make sure to refer to the Major Map Endnotes for more specific information.				
2 year map is based on completion of all required lower division pre-requisite courses				
Consult with your advisor to find out how many upper division elective credits you need. College of Arts, Sciences & Education requires a minimum of 45 credits of upper division (3000-4000 level) courses.				
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Intro to Analytical Chemistry	CHM 3120	Intro Analyt Chem	3	Prerequisites: CHM 1046 and CHM 1046L
Intro to Analytical Chemistry	CHM 3120L	Intr Analyt Chm Lab	1	
3000-4000 Level Electives			3	Global Learning Discipline Specific Course Recommended (see end notes)
3000-4000 Level Electives			3	Elective Outside the Major
Biological Chemistry I	CHM 4304	Biol Chemistry I	3	Prerequisites: CHM 2211 and CHM 2211L
Biological Chemistry I	CHM 4304L	Biol Chem I Lab	1	Prerequisite or corequisite: CHM4304

<b>Spring Term 2024</b>				<b>Term Hours:</b> 14
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Cognate Area Courses	BSC 2011	General Biology II	3	
Cognate Area Courses	BSC 2011L	Gen Biology Lab II	1	
3000-4000 Level Electives			3	
3000-4000 Level Electives			3	Global Learning Discipline Specific Course Recommended (see end notes)
Fundamentals of Physical Chemistry	CHM 3400	Fund.Phys.Chm	3	Prerequisite: CHM3120,CHM3120L,MAC2311,and MAC2312, (PHY2048, PHY2048L, PHY2049, PHY2049L) or (PHY2053, PHY2048L, PHY2054, PHY2049L), Corequisite: CHM3400L.
Fundamentals of Physical Chemistry	CHM 3400L	Fund.Phys.Chm. Lab	1	Prerequisite or corequisite: CHM3400

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<b>Summer Term 2024</b> Use this Semester to catch up on coursework if necessary.				<b>Term Hours:</b> 6
Course Group	Course Required	Course Description	Credit Hours	Course Notes
3000-4000 Level Electives			3	Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course
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<b>Fall Term 2024</b> Apply for Spring Graduation				<b>Term Hours:</b> 13
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Restricted Electives			3	Lecture Only - See End Notes
Biochemistry Concentration			1	Lab Course- CHM 4307L or CHM 4230L required
Chemistry 4000/5000 Level			3	One senior level chemistry elective (CHM4XXX/CHM5XXX)** which is biomedically related. CHM4910L and CHM 4911L may not be used
3000-4000 Level Electives			3	Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course
Biochemistry Concentration			3	Lecture Course- CHM 4307 or CHM 4300 required

<b>Spring Term 2025</b> Students are required to take a nationally-normed chemistry examination in their last semester before graduation. Please contact the chemistry department for more information.				<b>Term Hours:</b> 13
Course Group	Course Required	Course Description	Credit Hours	Course Notes
Senior Seminar	CHM 4930	Senior Seminar	1	Can only be completed in last semester of program with advisor permission
3000-4000 Level Electives			3	Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course
3000-4000 Level Electives			3	Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course
General Electives			3	Consult with Academic Advisor. If not already completed, take a Discipline Specific GL course
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<b>Summer Term 2025</b> Use this Semester to catch up on coursework if necessary.				
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### General Requirements