

# 2023-24 ACADEMIC MAP

## BS - Chemistry Option A: ACS Certified Chemistry

TOTAL HRS: 121



Academic map is a guide to help students stay on track to degree completion. Consult undergraduate catalog and academic advisor for other requirements.

\* minimum grade required

		FALL SEMESTER					SPRING SEMESTER					
	PREFIX	COURSE	CREDIT	AREA	GR*	SEM/GR	PREFIX	COURSE	CREDIT	AREA	GR*	SEM/GR
YEAR 1-Freshman	CHE 101	Gen Chem I Lecture	3	Gen Ed	C	_____	CHE 102	Gen Chem II Lecture	3	Gen Ed	C	_____
	CHE 103	Gen Chem I Lab	1	Gen Ed	C	_____	CHE 104	Gen Chem II Lab	1	Gen Ed	C	_____
	ENG 101	Composition I	3	Gen Ed		_____	ENG 102	Composition II	3	Gen Ed		_____
	MAT 251	Calculus I	3	Spec Dgr	C	_____		General Elective	3	Elective		_____
	CHE 108	Intro Chemistry Sem	1	Core	C	_____	MAT 252	Calculus II	3	Spec Dgr	C	_____
		General Elective	3	Elective		_____	COM 101/202	Communication Studies	3	Gen Ed		_____
	FYS 100/300 <sup>1</sup>	First Year Seminar	1	Univ Req		_____			16			_____
			15									
YEAR 2-Sophomore	CHE 319	Organic Chem I Lab	1	Core	C	_____	CHE 320	Organic Chem II Lab	1	Core	C	_____
	CHE 321	Organic Chem I	3	Core	C	_____	CHE 322	Organic Chem II	3	Core	C	_____
	CHE 311	Quantitative Analysis	5	Core	C	_____	PHY 232	General Physics II	3	Spec Dgr	C	_____
	PHY 231	General Physics I	3	Spec Dgr	C	_____	PHY 236	General Physics II Lab	1	Spec Dgr	C	_____
	PHY 235	General Physics I Lab	1	Spec Dgr	C	_____		Humanities & Fine Arts	3	Gen Ed		_____
	MAT 253	Calculus III	3	Spec Dgr	C	_____	ENG 203/206	Literature	3	Gen Ed		_____
			16						14			_____
YEAR 3-Junior	CHE 371	Physical Chemistry I	4	Major	C	_____	CHE 372	Physical Chemistry II	4	Major	C	_____
	CHE 440	Biochemistry	4	Major	C	_____		General Elective	4	Elective		_____
		Perspectives on Society	3	Gen Ed		_____		Perspectives on Society	3	Gen Ed		_____
		General Elective	3	Elective		_____		Chemistry Elective	4	Major	C	_____
		Personal Development	1	Gen Ed		_____			15			_____
			15									_____
YEAR 4-Senior	CHE 301	Desc Inorganic Chem	3	Major	C	_____	CHE 432	Intro to Polymer Sci	3	Major	C	_____
		Chemistry Elective	3	Major	C	_____	CHE 460	Instrumental Analysis	4	Major	C	_____
		General Elective	3	Elective		_____		General Elective	3	Elective		_____
	HIS 100/200 level	History	3	Gen Ed		_____		Personal Development	1	Gen Ed		_____
		Fine Arts	3	Gen Ed		_____	CHE 464	Science Seminar	1	Major	C	_____
			15				General Elective	3	Elective		_____	
								15			_____	

<sup>1</sup>All incoming students required to enroll in FYS 100 (freshmen) or FYS 300 (transfers).

CHE 101 General Chemistry I requires math ACT subscore of 20 or higher **OR** MAT 104 with a grade of C or better **OR** CHE 100 Introduction to Chemistry with a grade of C or better.

MAT 104 College Algebra requires a math ACT sub-score of 20 or higher. 19 or below will place a student in co-requisite remediation.

MAT 105 Trigonometry: Pre-requisite MAT 104 College Algebra **OR** ACT Math sub-score of 23.

MAT 251 Calculus I: Pre-requisite MAT 104 College Algebra and MAT 105 Trigonometry **OR** ACT Math sub-score of 24 or higher.

PHY 231/235 General Physics I/Lab and PHY 232/236 General Physics II/lab offered every other year.