



Graduation Checklist Chemistry – B.S. Degree Pre-Optometry Option

Updated: 2025

Courses are listed with prerequisites in parentheses and semesters abbreviated (Fall, Spring, Summer and Maymester).

Core Impacts: Institutional Priority (4 hrs.)		
Course	Grade	Hrs
1		
1		

¹ Choose from PERS courses or INQR 1001, 1001H, 2001, 2002 or 2003.

Core Impacts: Math & Quantitative Skills (3 hrs.)		
MATH 1113 (OR MATH 1111 + 1112) ¹		3

¹ MATH 1111 will count in General Electives and MATH 1112 in this area, if taken. Submit course sub. form for MATH 1113.

Core Impacts: Political Science & US History (6 hrs.)		
POLS 1101/1101H		3
HIST 2111/2111H or 2112/2112H		3

Core Impacts: Arts, Humanities & Ethics (6 hrs.)		
ENGL 2111, 2112 or 2113		3
1		3

¹ Choose one: Foreign Language 1001, 1002, 2001 or 2002 (ARAB, FREN, GRMN, JAPN, LATN, RUSS or SPAN); ART 1100/1100H; COMM 1100, 1110; DANC 1500; MDIA 2000; MUSC 1100, 1120, 1130; PHIL 2010/2010H, 2020/2020H; REL 2020; THEA 1100; WGST 2010; ENGL 2111/2111H, 2112/2112H, 2113/2113H.

Core Impacts: Communication in Writing (6 hrs.)		
ENGL 1101		3
ENGL 1102		3

Core Impacts: Technology, Math & Sciences (11 hrs.)		
MATH 2261 ¹ (MATH 1112 or 1113)		3
2		4
		4

¹ 1 hr. spills to Field of Study

² Choose from: BIOL 1107/1107L; BIOL 1108/1108L; CHEM 1211/1211L; CHEM 1212/1212L, PHYS 1111K (or 2111K); PHYS 1112K (or PHYS 2212K)

Core Impacts: Social Sciences (6 hrs.)		
1		3
1		3

¹ AFAM/WGST 2020; ANTH 1102/1102H; ECON 1500/1500H; ECON 2105; GEOG 1100,1101,1102, 1103; HIST 1011/1101H, 1012/1012H, 1013/1013H; MKTG 1500; POLS 2101/2101H, 2401/2401H, 2501/2501H; PSYC 1101/1101H; SOCI 1101/1101H, 1160.

Core Impacts: Field of Study (18 hrs)		
Course	Grade	Hrs
MATH 2262 (MATH 2261) F Sp Sum		4
¹ CHEM 1211 & 1211L		0-4
¹ CHEM 1212 & 1212L		0-4
CHEM 2310 (CHEM 1211/L & 1212/L) F		4
¹ PHYS 1111K (MATH 1112) F Sp Sum or PHYS 2211K (MATH 2261 PRE OR CO-REQUISITE) F Sp		0-4
¹ PHYS 1112K (PHYS 1111K) F Sp or PHYS 2212K (PHYS 2211K) F Sp		0-4
MATH 2261 (spilled from Tech, Math & Sci)		1
CHEM 1210 F Sp		1

¹ Unless counted in core Technology, Math & Sciences

Senior Curriculum: Required Major Courses (41-49 hours)		
¹ BIOL 1107/1107L		0-4
BIOL 2260K		4
BIOL 1108 or Math, Science or Computer Science elective numbered 2000 or above		3
CHEM 2210 (CHEM 1210) F Sp		1
CHEM 3401 (CHEM 1212/L) F Sp		4
CHEM 3402 (CHEM 3401) Sp Su		4
CHEM 3510 (CHEM 1212/L) F Sum-MM		4
CHEM 3601 (CHEM 3402) F Su-MM		3
CHEM 3601L (CHEM 3601) F Sp		2
CHEM 3801 or 3802 (MATH 2262, PHYS 1111K/2211K; pre or co-req PHYS 1112K/2212K) F		4
CHEM 4210 (Senior Year) F Sp		1
MATH 1401		3
² Upper-division math, computer science or science electives		7-8
Carry over from Core Field of Study		0-4

¹ Unless counted in core Technology, Math & Sciences

²May only apply 4 credits of CHEM 4910 and only 3 credits of CHEM 4800 in this area. Extra hours of these courses will apply to electives.

Name_____

Student #870_____Cell_____

Email_____

Grad Sem/Yr_____ Applied for Grad_____

Minor_____ Major #2_____

Electives (Including courses numbered 3000 or above (15-16 hrs) ¹		
Course	Grade	Hrs

¹ Includes hours that carry over from Core Field of Study

IMPORTANT GRADUATION REQUIREMENTS:

- Minimum of 120 total hours
- Minimum of 39 Upper-division hours (courses numbered 3000 or above)

Must make a C or better in major courses and math.

Note Prerequisites for CHEM 1211: Score 540 SAT MATH or 23 ACT, pass CHEM 1200 with a C or higher, or pass Chemistry Placement Exam; Co or Pre-requisite: MATH 1111 or higher.