



Saint Paul Community College (SPCC)
Chemistry A.S. Transfer Pathway

This document is designed for community college students completing the Chemistry A.S. with the intent to transfer to Concordia College and complete the Chemistry B.A. degree. Students who do not intend to complete the A.S. degree (and MnTC) should contact transfer@cord.edu to plan course selections for the major and the goal areas.

Below is the list of approved course work from the pathway that meets general education requirements or chemistry major requirements. Completion of the AA/MnTC leads to a block waiver of most Concordia Core Curriculum requirements, except those specified below. Each transfer course will be accepted and applied to overall credits and/or major requirements provided that the course meets Concordia's [transfer credit policy](#), including that the courses were completed with a C- or better. Transfer students, those who previously attended a post-secondary institution after graduating from high school, who complete the MnTC and graduate with a 2.75 GPA will qualify for our admission guarantee - www.ConcordiaCollege.edu/TransferGuarantee.

SPCC course – major requirements	Credits	Concordia College course
CHEM 1711 - Principles of Chemistry 1	4	CHEM 127 General Chemistry I
CHEM 1712 - Principles of Chemistry 2	4	CHEM 128 General Chemistry II
CHEM 2720 - Organic Chemistry 1	5	CHEM 341 Organic Chemistry I
CHEM 2721 - Organic Chemistry 2	5	CHEM 342 Organic Chemistry II
MATH 2749 - Calculus 1	4	MATH 121 Calculus I
MATH 2750 - Calculus 2	4	MATH 122 Calculus II
PHYS 2700 - General Physics 1 (with Calculus)	5	PHYS 128 Physics for Scientists & Engineers
PHYS 2710 - General Physics 2 (with Calculus)	5	PHYS 211 Physics for Scientists & Engineers II
Subtotal	36	

Minnesota Transfer Curriculum (MnTC):		
The entire MnTC must be completed for this pathway. Meets core curriculum requirements except for Language (LANG) and Religion (REL)		
Goal Area 1- Communication ENGL 1711 Composition 1 ENGL 1712 Composition 2 Choose One: COMM 1710 – Fundamental of Public Speaking COMM 1730 – Interpersonal Communication COMM 1750 – Small Group Communication COMM 1770 – Family Communication COMM 1780 – Gender Communication	9	
Goal area 2 – Critical Thinking Completed in MnTC	-	
Goal area 3 – Natural Science Completed by pathway (CHEM & PHYS)	-	
Goal area 4 – Mathematical/Logical Reasoning Completed by pathway (MATH)	-	
Goal area 5 – History/Social/Behavioral Sciences	9	

Requirements based on 2023-24 academic catalog
Updated January 2024

3 courses from two disciplines courses must meet unfulfilled goal areas 7-10		
Goal area 6 – Humanities/Fine Arts 3 courses from two disciplines courses must meet unfulfilled goal areas 7-10	9	
These goal areas are fulfilled by courses taken in above goal areas: Goal area 7 – Human Diversity Goal area 8 – Global Perspective Goal area 9 – Ethical & Civic Responsibility Goal area 10 – People & the Environment	-	
Total credits for A.S. degree	63	

Remaining major courses for Chemistry B.A. degree	Credits
CHEM 330 Analytical Chemistry	4
CHEM 351 Physical Chemistry I	4
CHEM 373 Biochemistry I	4
CHEM 403 Senior Seminar I	1
CHEM 404 Senior Seminar II	1
Choose one elective: CHEM 344 Spectroscopy, CHEM 352 Physical Chemistry II, CHEM 374 Biochemistry II, CHEM 380 Special Topics, CHEM 431 Analytical Chemistry II, CHEM 445 Organic Chemistry III, CHEM 462 Advanced Inorganic Chemistry, CHEM 475 Neurochemistry, CHEM 487 Directed Research	4
Total for major	18

Remaining graduation requirements for B.A. degree	Credits
Pivotal Experience in Applied Knowledge (PEAK) - one non-credit PEAK required when transferring to Concordia with junior status (<i>all PEAKs are non-credit bearing required experiences</i>)	0
Religion - REL 200 Christianity & Religious Diversity	4
LANG - World Language (second semester level or higher) Could be fulfilled by transferring equivalent course(s) upon evaluation	4-8
Additional 300/400-level courses to reach minimum of 40 senior-level credits required for the bachelor's degree	
General electives to reach minimum 126 credits for bachelor's degree	
Students who are completing the pathway prior to earning their high school diploma will have to complete the following additional courses while at Concordia: Engaged Citizenship Seminar & Wellness 110 & 111 (additional courses may meet equivalent upon evaluation)	(4-6)
Minimum total credits to be completed at Concordia College	63
Total Credits for B.A. Degree	126

Course Catalog: <https://catalog.concordiacollege.edu/arts-sciences/chemistry/chemistry-major/>

Advising Notes:

This pathway is for the non-ACS Chemistry major. An ACS major would require three additional Chemistry courses and a research experience.



Students should be aware that they must meet the [residence requirement](#) to complete their degree at Concordia: Residence is defined as enrollment as a full-time student at Concordia College with a minimum of 12 semester credits per semester. To meet the residence requirement, candidates for a Concordia College degree must:

- Be enrolled full-time with a minimum of 12 credits per semester
- complete a minimum of 30 credits at Concordia College
- complete a minimum of 50% of major requirements* and 40% of minor requirements with Concordia coursework; and
- be in residence for the two semesters preceding graduation

www.concordiacollege.edu/catalog for more information on residency* Community college chemistry courses that are more than 4 credits and deemed equivalent to Concordia chemistry courses, will not count against the 50% of major requirements calculation. Also, Calculus and Physics courses are required supporting courses for Concordia's Chemistry major; therefore, these supporting courses are not included in the 50% of major requirements calculation.

transfer@cord.edu | admission@cord.edu

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