



Normandale Community College (NCC)  
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](mailto: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](http://www.ConcordiaCollege.edu/TransferGuarantee).

NCC course – major and goal areas	Credits	Concordia College course
CHEM 1061 Principles of Chemistry I	5	CHEM 127 General Chemistry I
CHEM 1062 Principles of Chemistry 2	5	CHEM 128 General Chemistry II
CHEM 2061 Organic Chemistry I	5	CHEM 341 Organic Chemistry I
CHEM 2062 Organic Chemistry II	5	CHEM 342 Organic Chemistry II
MATH 1510 Calculus I	5	MATH 121 Calculus I
MATH 1520 Calculus II	5	MATH 122 Calculus II
PHYS 1121 Physics I for Scientists & Engineers	5	PHYS 128 Physics for Scientists & Engineers
PHYS 1122 Physics 2 for Scientists & Engineers	5	PHYS 211 Physics for Scientists & Engineers II
<b>Subtotal</b>	<b>40</b>	

<b>Minnesota Transfer Curriculum (MnTC):</b>		
The entire MnTC must be completed for this pathway. Meets core curriculum requirements except for Language (LANG) and Religion (REL)		
Goal area 1 – Communication ENG 1101 College Writing Choose one: COMM 1101 Fundamentals of Public Speaking COMM 1111 Interpersonal Communication	7	
Goal area 2 – Critical Thinking Completed in pathway		
Goal area 3 – Natural Science Completed by pathway (CHEM & PHYS)		
Goal area 4 – Mathematica/Logical Reasoning Completed by pathway (MATH)		
Complete all remaining goal areas by choosing courses that fulfil multiple goal areas: Goal area 5 – History/Social/Behavioral Sciences Goal area 6 – Humanities/Fine Arts Goal area 7 – Human Diversity Goal area 8 – Global Perspective	13	

Requirements based on 2023-24 academic catalog  
Updated January 2024



Goal area 9 – Ethical & Civic Responsibility		
Goal area 10 – People & the Environment		
<b>Total credits for A.S. degree</b>	<b>60</b>	

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
<b>Total for major</b>	<b>18</b>

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 one of the following courses: CHIN 1200, 2100, 2200, FREN 1200, GERM 1200, 2100, 2200, SPAN 1200, 2100, 2200 (additional courses may meet equivalent 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 (can be completed by taking HLTH 1104)	(4-6)
<b>Minimum total credits to be completed at Concordia College</b>	<b>66</b>
<b>Total Credits for B.A. Degree</b>	<b>126</b>

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](http://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](mailto:transfer@cord.edu) | [admission@cord.edu](mailto:admission@cord.edu)

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