

Normandale Community College Approved Courses for Chemistry Transfer Pathway (AS)

This guide is intended for students completing the Chemistry AS Transfer Pathway. Students who do not intend to complete the 60 credit program should refer to our Transfer Guide for Normandale Community College at <http://web.augsburg.edu/registrar/transfer/guides/normandale.pdf>.

The table below lists the Normandale courses that have approved equivalencies at Augsburg University or fulfill requirements for the B.S. Chemistry (ACS approved) major and general graduation requirements.

Normandale Course		Augsburg University
ENGC 1101 Freshman Composition	4	ENL 111 Effective Writing
COMM 1101 Fundamentals of Public Speaking	3	COM 111 Public Speaking (LAF)
<i>Required courses for AS degree:</i>		
CHEM 1061 Principles of Chemistry 1 CHEM 1062 Principles of Chemistry 2 CHEM 2061 Organic Chemistry 1 CHEM 2062 Organic Chemistry 2 MATH 1510 Calculus 1 MATH 1520 Calculus 2 PHYS 1121 Physics 1 for Scientists and Engineers PHYS 1122 Physics 2 for Scientists and Engineers	40	CHM 115 General Chemistry I w/lab CHM 116 General Chemistry II w/lab CHM 251 Organic Chemistry I w/lab CHM 252 Organic Chemistry II w/lab MAT 145 Calculus I MAT 146 Calculus II PHY 121 General Physics I w/lab PHY 122 General Physics II w/lab
<i>Complete 20 credits of general education course work:</i>		
Goal area 5: PSYC 1110* or SOC 1104* Goal area 6: Choose ART, MUSC, or THTR introduction course* Goal area 7-10: Complete two courses	13	Social and Behavioral Science requirement Fine Arts requirement Transfer elective credit (refer to Transfer Guide) <i>*recommended for Augsburg</i>
Total transfer credit from Chemistry AS degree	60	

		<i>Remaining courses to complete Augsburg's B.S. ACS Certified Chemistry degree:</i>
	47	<p><i>Major requirements:</i></p> <p>CHM 280 Quantitative Analytical Chemistry w/lab CHM 362 Physical Chemistry: Macroscopic Theory CHM 368 Physical Chemistry: Microscopic Theory CHM 430 Advanced Thermodynamic/Separation CHM 440 Advanced Synthesis Lab CHM 450 Advanced Spectroscopy and Computational Chemistry Lab CHM 464 Advanced Organic Chemistry CHM 481 Instrumental Analysis CHM 482 Advanced Inorganic Chemistry SCI490 Integrated Science (keystone) MAT 245 Calculus III</p> <p>Choose one: CHM 370 BioOrganic Chemistry BIO 369 Biochemistry</p> <p>Choose 4 credits of electives (set list) Complete 4 semesters of CHM 491 seminars</p>
	0-4	Augsburg Experience
	13-25	<p><i>Remaining Augsburg graduation requirements:</i></p> <p>RLN 100 Search for Meaning WEL 100 Foundations of Fitness Complete remaining Liberal Arts Foundation requirements (2-5 courses)</p>
	0-8	<i>Elective credit</i>
	128	Final credit count for Augsburg B.S. degree (ACS certified)*

Refer to the [current catalog](#) for more information. For information about the educational opportunities available at Augsburg, please contact **Augsburg Transfer Admissions**.

E-mail: transfer@augsborg.edu

Phone: (612) 330-1001

<http://www.augsburg.edu/transfer/>

*Students pursuing a non-ACS B.S., a B.A. degree in Chemistry, or teaching licensure will have variations in the required course work at Augsburg. Please consult with an Augsburg transfer specialist for more details.

Courses must be graded a C- or higher to transfer.

