



Minneapolis College
Approved Courses for Mathematics Transfer Pathway (AS)

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

The table below lists the Minneapolis courses that have approved equivalencies at Augsburg University or fulfill requirements for the Mathematics BS major and general graduation requirements.

Minneapolis Course	Augsburg Course	
ENGL1110 or ENGA 1110	3	ENL 111 Effective Writing
CMST 1005 Public Speaking	3	COM 111 Public Speaking
<i>Required courses for AS degree:</i>		
MATH 1180 Calculus 1 MATH 1190 Calculus 2 MATH 2210 Calculus 3: Linear Algebra and Differential Equations* MATH 2220 Calculus 4: Multivariable Calculus PHYS 1211 Physics for Science/Engineers 1 PHYS 1221 Physics for Science/Engineers 2	32	MAT 145 Calculus I MAT 146 Calculus II MAT 269 Modeling and Differential Equations MAT 245 Calculus II PHY 121 General Physics 1 w/lab PHY 122 General Physics 2 w/lab
<i>Required for AS degree:</i> <i>Choose 1:</i> MATH 2011 Discrete Mathematics* MATH 2283 Sequences, Series and Foundations <i>Choose 1:</i> CSCI 1700 Intro to Computer Programming in Java CSCI 1730 Intro to Object-Orientated Program/C++ CSCI 1733 Intro to Computing/Programming	8	MAT 271 Discrete Mathematical Structures MAT transfer elective CSC 170 Introduction to Programming CSC 170 Introduction to Programming CSC 160 Introduction Computer Science *only of MATH 2210 or 2011 can count towards major
<i>Complete general education requirements:</i> Goal area 5: PSYC 1110** and SOCI 1105** Goal area 6: Choose 2 ART, MUSC, or THTR introduction course** (from 2 different depts) Choose 1 course from Goal area 7-10	14	Social and Behavioral Science requirement Fine Arts requirement Transfer elective credit **recommended for Augsburg
Total transfer credit from Mathematics AS degree	60	

		<i>Remaining courses to complete Augsburg Mathematics B.S. degree:</i>
	28	<i>Major requirements:</i> MAT 246 Linear Algebra MAT 271 Discrete Structures <i>Choose 1:</i> MAT 304, 314, 324, or approved theoretical structures elective <i>Choose 1:</i> MAT 163, 164, 373, 394 or other approved statistics course <i>Choose 1:</i> MAT 355, 369, 374, 377 or approved applied project course <i>Choose 2</i> electives Experiential Component MAT 491 Mathematics Colloquium
	4	<i>Choose 1 Keystone course</i>
	0-4	Augsburg Experience
	17	<i>Remaining Augsburg graduation requirements:</i> RLN 100 Search for Meaning WEL 100 Foundations of Fitness Remaining LAF requirement (1 course) Modern Language I and II or two additional LAFs
	15-19	Elective credits*
	68	Total credits completed at Augsburg
	128	Final credit count for Augsburg B.S. degree

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/>

*These credits can be transfer credits from other colleges or additional transfer credits outside the AS program from Minneapolis College. If a student does not have additional transfer credits, the student should consider using these credits to add a minor. Students pursuing a B.A. degree in Mathematics or teaching licensure will have variations in the required course work at Augsburg. Please consult with an Augsburg transfer specialist for more details.