



Anoka Ramsey Community College Approved Courses for Biology AS Transfer Pathway

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

The table below lists the Anoka Ramsey courses that have approved equivalencies at Augsburg University or fulfill requirements for the Biology BS degree and general graduation requirements.

Anoka Ramsey Course		Augsburg Course
ENGL 1121 College Writing	4	ENL 111 Effective Writing
CMST 2215 Public Speaking*	3	COM 111 Public Speaking/major requirement
<i>Required courses for AS degree:</i> BIOL 1106 Principles of Biology I BIOL 1107 Principles of Biology II BIOL 2202 Genetics CHEM 1061 Principles of Chemistry I CHEM 1062 Principles of Chemistry II <i>Choose two Math courses:</i> MATH 1210 Pre-Calculus* MATH 1400 Calculus 1*	29	BIO 151 Introductory Biology w/lab BIO 152 Evolution, Ecology and Diversity w/lab BIO 255 Genetics (does not satisfy lab) CHM 115 General Chemistry I w/lab CHM 116 General Chemistry II w/lab MAT 114 Precalculus MAT 145 Calculus 1
<i>Choose one of the following electives:</i> BIOL 2201 Microbiology BIOL 2208 Cell Biology BIOL 2209 General Ecology	4	BIO transfer credit BIO 253 Introductory Cellular Biology w/ lab BIO transfer credit
<i>Choose 14 credits of program electives:</i> BIOL 1103/1133 Environmental Science BIOL 2201 Microbiology BIOL 2206 Animal Biology BIOL 2207 Plant Biology BIOL 2208 Cell Biology BIOL 2209 General Ecology BIOL 2230 Directed Research CHEM 2061 Organic Chemistry I* CHEM 2062 Organic Chemistry II MATH 1114 Introduction to Statistics MATH 1401 Calculus 2 PHYS 1317 General Physics 1 PHYS 1318 General Physics 2 PHYS 1327 College Physics 1* PHYS 1328 College Physics 2	14	ENV 120 Environmental Science w/ lab BIO transfer credit BIO transfer credit BIO transfer credit BIO 253 Introductory Cellular Biology w/ lab BIO transfer credit General transfer credit CHM 251 Organic Chemistry I w/lab CHM 252 Organic Chemistry II w/lab MAT 163 Introductory Statistics MAT 146 Calculus II PHY 107 College Physics I w/lab PHY 108 College Physics II w/lab PHY 121 General Physics I w/lab PHY 122 General Physics II w/lab
<i>Complete general education requirements:</i> Goal area 5: PSYC 1110* or SOC 1111* Goal area 6: Choose one ART, MUSC or THTR introduction course* Goal area 7-10: Choose one course	7-9	Social and Behavioral Science requirement Fine Arts requirement Transfer elective credit
*recommended for Augsburg		

Total transfer credit for AS degree	60	
		<i>Remaining courses to complete Augsburg Biology BS:</i>
	34	<i>Major requirements:</i> BIO 253 and 253L Introductory Cellular Biology (if not taken) Choose 5 upper division Biology electives Complete ETS major field test Choose one Keystone: BIO 490 Biology Keystone SCI 490 Integrated Science Keystone HON 490 Senior Keystone
	0-20	<i>Complete supporting courses (may transfer in):</i> CHM 251 Organic Chemistry I w/lab PHY 121, 107, or 116 MAT 114 Precalculus Choose one: MAT 145 Calculus I MAT 163 Introductory Statistics MAT 164 Introductory Statistics for STEM PSY 215 Research Methods and Statistics I
	12-20	<i>General Education core requirements:</i> RLN 100: Search for Meaning Augsburg Experience (ex. Internship or research) Remaining LAF courses (8-16 credits)
	8-22	<i>Upper division elective credits</i>
	68	<i>Total credits completed at Augsburg (36 credits must be upper division)</i>
	128	Final credit count for Augsburg Biology B.S. program

- Students must receive a C- or better in the course for transfer to Augsburg.
- Courses must be completed within the last 10 years to be applied to the major.

Please refer to Augsburg's [current academic catalog](#), [general education requirements](#), and [major checklists](#) for complete policies and requirements.

For more information about the educational opportunities available at Augsburg please contact: **Undergraduate Admissions** admissions@augsborg.edu (612) 330-1001 <http://www.augsburg.edu/admissions/>. For more transfer information, or to speak with a transfer specialist, please contact: **Registrar's Office** transfer@augsborg.edu (612) 330-1036 <https://www.augsburg.edu/registrar/>.