

Associate of Science Transfer (AST) – Biology

About the Program

Major Transfer Maps (MTMs) represent a streamlined path for students transferring from an Oregon community college to an Oregon university who know which major/bachelor's degree program they want to pursue. In contrast to other statewide transfer tools that prioritize university general education requirements (i.e. AAOT and ASOT), MTMs specify clear course-taking paths necessary for on-track progress towards a specific major/bachelor's degree, with a guarantee of transfer from any Oregon community college to any Oregon public university. MTMs build on the 30-credit general education foundation defined by the generic Core Transfer Map (CTM), although MTMs may specify particular relevant/required General Education courses as part of the 30-credit CTM component of the MTM. The statewide Biology Major Transfer Map (MTM) will use the format of an Associate of Science Transfer degree. Students must have earned a cumulative grade point average of 2.0 and meet the residency requirements at the community college awarding the MTM.

TOTAL PROGRAM CREDITS

90

Program email address:

ScienceInfo@roguecc.edu

CORE TRANSFER REQUIREMENTS		
See an advisor for recommended courses before your first term		
Writing		
WR121Z		4
Arts & Letters		
AAOT-approved courses		3-4
AAOT-approved courses		3-4
Social Sciences		
Choose from AAOT-approved courses		3-4
Choose from AAOT-approved courses		3-4
Natural Sciences		
1 st course	Biology 211 or 221 ^{1, 2} ¹ Biology 211, 212, and 213 or Biology 221, 222, 223 must be taken at the same institution. ² The BI 21x and BI 22x series are not interchangeable by term (e.g. BI 211 is not equivalent to BI 221).	4-5
2 nd course	Biology 212 or 222 ^{1, 2} ¹ Biology 211, 212, and 213 or Biology 221, 222, 223 series must be taken at the same institution. ² The BI21x and BI22x series are not interchangeable by term (e.g. BI 212 is not equivalent to BI222).	4-5
Mathematics		

1 course	Math 111Z ¹ ¹ Students who test out of Math 111Z should take Math 112Z.	4-5
At least 1 Core Transfer Requirement course must also be an AAOT-approved Cultural Literacy course		
Core Transfer Requirement Total		30-35
ADDITIONAL MAJOR TRANSFER MAP COURSES See an advisor for recommended Courses		
General Education		
Writing	Writing 122Z or Writing 227Z * OSU accepts either but recommends 227Z * WOU & UO accepts either but recommends 122Z	3-4
Math	Math 112Z ¹ ¹ Students who test out of Math 112Z may substitute a recommended elective (see recommended electives listed below).	4-5
Major Requirements		
Biology	Biology 213 or BI 223 ^{1,2} ¹ Biology 211, 212, and 213 or Biology 221, 222, 223 series must be taken at the same institution. ² The BI 21x and BI 22x series are not interchangeable by term (e.g. BI 213 is not equivalent to BI 223).	4-5
Chemistry	3-course General Chemistry sequence with lab	12-18
Physics/Math / Chemistry	PICK TWO SEQUENCES Strongly recommend seeing an advisor for assistance with choosing sequences which best match your specific academic, pre-professional, and career goals <ul style="list-style-type: none"> 3-course General Physics (algebra or calculus) MTH 251 (Differential Calculus) & 252 (Integral Calculus) ^{1, 2} 3-course Organic Chemistry sequence ^{3, 4} ¹ Students transferring to PSU may substitute MTH243/STAT243 & 244 for MTH 251 & 252. ² Students transferring to EOU are required to take MATH 241 (Survey of Calculus) instead of MATH 251 and 252. MATH 251 may serve as a substitute for MATH 241. ³ Students transferring to OSU are strongly recommended to take the Organic Chemistry sequence.	20-33

	⁴ Students considering pre-medical, pre-dental, and pre-pharmacy programs should consider Organic Chemistry sequence. Courses in sequence must be taken at the same institution.					
Additional MTM Courses Total						47-65
Electives	Elective courses to reach 90 credits (see recommended electives listed below)					0-16
MAJOR TRANSFER MAP TOTAL						90-100
RECOMMENDED ADDITIONAL ELECTIVES IF NEEDED TO REACH 90 CREDITS See an advisor for recommended courses						
EOU	OIT	OSU	PSU	SOU	OU	WOU
MTH243/ STAT243 Pick a 3rd sequence from physics, math, or chemistry series listed above	4-6 credits social science 1-3 credits humanities 2 credits lower division health biology	COMM 111 3 credits Fitness 1 Difference, Power and Discriminati on course Pick a 3rd sequence from physics, math, or chemistry series listed above	STAT243 (if not taken to fulfill Physics, Math, Chemistry area) Pick a 3rd sequence from physics, math, or chemistry series listed above	MTH243/ STAT243 Pick a 3rd sequence from physics, math, or chemistry series listed above	WR122Z Pick a 3rd sequence from physics, math, or chemistry series listed above	WR122Z Pick a 3rd sequence from physics, math, or chemistry series listed above

For more information, contact the Science Department:

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TTYOregon Telecom Relay Service, 711

Please visit the Oregon.gov website for more [Biology Transfer Resources](#).

[www.oregon.gov/highered/about/transfer/Documents/Transfer-Resources/Transfer MOUs/Biology MOU 2020 02.25.22 Final.pdf](http://www.oregon.gov/highered/about/transfer/Documents/Transfer-Resources/Transfer%20MOUs/Biology%20MOU%2020%2002.25.22%20Final.pdf)