Transfer Articulation Guide for
Associate of Arts in Biology to Bachelor of Science in Biology or
Bachelor of Science in Biology – Health Science Concentration

Pursuant to the Articulation Partnership between Missouri Western State University (MWSU) and the North Central Missouri College (NCMC), this document serves as the Transfer Articulation Guide between MWSU and NCMC for the degree program of ***BS-Biology*** or ***BS-Biology-Health Science Concentration.*** This Transfer Articulation Guide is entered into pursuant to the Articulation Partnership between MWSU and NCMC and is effective beginning Fall 2025.

This transfer guide is provided as a service and is updated as needed. Degree requirements at the institutions are subject to change. To ensure you have the most accurate up to date information about the program, it is important you meet with an advisor at the transfer institution.

Program Entrance Requirements

- Overall GPA of 2.0 or higher
- Bachelor's degree program listed above officially declared on the MWSU student record (indicated at time admission or upon meeting with an advisor.)

Degree Requirements

- Earn a minimum of 120 hours (100 level and higher, maximum of 6 CED credit hours applicable).
- Earn a minimum of 30 credit hours in upper division courses. Lower division transfer courses accepted as meeting upper division departmental course requirements cannot be used to fulfill this requirement.
- Earn 30 of the last 45 credit hours at MWSU in institutional course work (exclusive of credit by exam).
- Participate in required departmental and campus wide assessments.
- Earn an overall GPA of at least a 2.0 and a major GPA of at least a 2.0.
- Fulfill the Missouri Constitution requirement.
- Successfully pass the Missouri Higher Education Civics Achievement exam.

For more information, please contact:

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VERSION DATE: 6/9/2025

North Central Missouri College		Missouri Western State University	
GENERAL EDUCATION CORE COMPLETE WITH AA COMPLETION			
PROGRAM-TO-PROGRAM TRANSFERABLE COURSES **Courses not taken at NCMC must be taken at MWSU.** **Note: Some of these courses may be taken as part of General Education.**			
Course	**Credit hours**	**Course**	**Credit hours**
MT 125 Elementary Statistics OR MT 125W Statistics with Workshop	3 OR 6	MAT 111 Introductory Statistics	3
MT 122 College Algebra OR MT 122 College Algebra with Workshop	3 OR 6	MAT 116 College Algebra	3
AG 105 and AG 106 Plant Science and Lab OR AG 107 and AG 108 Animal Science and Lab OR BI 101 General Botany OR BI 103 General Zoology	4 OR 4 OR 5 OR 5	BIO 105 Principles of Organismal Biology	4
BI 110 Ecology	5	BIO 225 Ecology	4
CH 110 General Chemistry I	5	CHE 111 General Chemistry I	5
CH 112 General Chemistry II	5	CHE 120 General Chemistry II with Qualitative Analysis	5
CH 210 Organic Chemistry I *	5	CHE 310 Organic Chemistry I AND CHE 311 Organic Chemistry I Laboratory	5
PS 185 College Physics I	4	PHY 110 College Physics I	4

COURSES TO BE COMPLETED AT MISSOURI WESTERN STATE UNIVERSITY	
Course	**Credit hours**
BIO 100 First-Year Biology Experience	2
BIO 106 Principles of Cell Biology	4
BIO 205 Genetics	4
CHE 370 Biochemistry I	4
AND	
Restricted Elective Courses in Biology and/or Chemistry (select in consultation with advisor)	24-25

*** Equivalent course but does not count toward Missouri Western State University upper-division requirement (30 credit hours of 300+ numbered courses).**

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