

**NWACC Associates of Science Liberal Arts and Sciences (stem)
To**

**Missouri Southern State University Bachelor Science in Biology-General Biology (BI04)
60 hours**

General Education Requirements NWACC AS LAS non-stem (35 hours)

English composition (6 hours)			MSSU	Hours
ENGL	1013	English Composition I	ENG 0101	3
ENGL	1023	English Composition II	ENG 0102	3

Fine Arts (3 hours) Choose one			MSSU	Hours
ARHS	1003	Art Appreciation	ART 0110	3
MUSI	1003	Music Appreciation	MUS 0110	3
THTR	1003	Introduction to Theatre	TH 0110	3

Humanities (3 hours) Choose one			MSSU	Hours
ENGL	2113	Survey of British Literature to Romanticism	ENG 0271	3
ENGL	2123	Survey of British Literature from Romanticism	ENG 0272	3
ENGL	2213	Survey of World Literature to 1650	ENG 0261	3
ENGL	2223	Survey of World Literature from 1650	ENG 0262	3
ENGL	2313	Survey of American Literature to Civil War	ENG 0281	3
ENGL	2323	Survey of American Literature since the Civil War	ENG 0282	3
PHIL	2003	Introduction to Philosophy	PHIL 0201	3
PHIL	2103	Introduction to Ethics	PHIL 0212	3

U.S. History of Government (3 hours) Choose one			MSSU	Hours
HIST	2003	History of American People to 1877	HIST 0110	3
HIST	2013	History of American People 1877 to Present	HIST 0120	3
PLSC	2003	American Government	PSC 0120	3

Mathematics (3 hours)			MSSU	Hours
MATH	1203	College Algebra	MATH 0130	3

Social Sciences (9 hours)

Choose 2 from the list below			MSSU	Hours
CMJS	2013	Introduction to Criminal Justice	CJ 0100	3
ECON	2013	Principles of Macroeconomics	ECON 0201	3
ECON	2023	Principles of Microeconomics	ECON 0202	3
PSYC	2003	General Psychology	PSY 0100	3
SOCI	2013	General Sociology	SOC 0110	3
SOCI	2033	Social Problems	SOC 0210	3

Choose 1 from the list below

HIST	1003	Western Civilization to 1650	HIST 0130	3
HIST	1013	Western Civilization since 1650	HIST 0140	3
HIST	1033	World Civilizations to 1500	HIST 0130	3
HIST	1043	World Civilizations since 1500	HIST 0140	3

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Lab Science (8 hours) **MSSU** **Hours**

BIOL	1544	Principles of Biology I	BIO 0110	4
CHEM	1104	College Chemistry I	CHEM 0151	4

Stem Directed Electives (8 hours) **MSSU** **Hours**

BIOL	1014	General Biology II	BIO 0111	4
CHEM	1124	College Chemistry II	CHEM 0152	4

Approved Electives (17 hours) **MSSU** **Hours**

PHYS	2014	College Physics I	PHYS 0160	4
COMM	1303	Public Speaking	COMM 0100	3
MATH	1213	Plane Trigonometry	MATH 0135	3
MBIO	2014	Microbiology	BIO 0231	4
Elective credit to complete the degree				3

The above 60 hours completes the NWACC Associate of Science Liberal Arts and Sciences non-stem.
See page 3 for additional MSSU coursework and information

Office of the Registrar registrar@mssu.edu as an additional contact information.

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Required Science Courses (35 hours)			Hours
BIO	0210	Cell and Molecular Biology	4
BIO	0305	Genetics	4
BIO	389 <i>or</i> 390	Fundamentals of Experimental Design and Statistics <i>or</i> Research and Statistical Methods in Biology	3
BIO	402 or 481	General Ecology <i>or</i> Aquatic Ecology	4
BIO	400	Biology Capstone	1
CHEM	201 or 301	Analytical Chemistry <i>or</i> Organic Chemistry I	5
Upper Division Biology Elective			14

Required General Education Courses (5 hours)

KINE	0101	Lifetime Wellness (GE 5D)	2
Humanities course (GE 5A)			3

Elective Courses (20 hours)

Upper Division Elective (any prefix)			8
Elective ^A			5
Elective (any prefix, any level)			7

This completes the 60 hour requirement at MSSU.

^A Must be upper division if student opted for CHEM 0201 Analytical Chemistry. If student took CHEM 0301 Organic Chemistry I, this elective can be any level.