



Northwestern
Michigan
College

NMC Freshwater Studies--Associate in Science & Arts
WMU Freshwater Science & Sustainability--Bachelor of Science

Course Equivalency Guide



WESTERN MICHIGAN
UNIVERSITY

WMU/NMC Required Courses		Cr	NMC Equivalent		Transfer Credit	WMU 3 rd Year	WMU 4 th Year
ANTH 1200	Peoples of the World	3	ANT 113	Intro to Cultural Anthr.	3		
ECON 2010	Microeconomics	3	ECO 202	Prin. of Microeconomics	3		
Proficiency I		8	ENG 111 & ENG 112	English Composition	8		
MATH 1110	Algebra II	4	MTH 111	Intermediate Algebra	4		
STAT 3660	Intro to Statistics	3	MTH 131	Probability & Statistics	3		
GEOG 2250	Meteorology/Climatology	4	ENV 117	Meteorology/Climatology	4		
GEOS 3220	Ocean Systems	4	ENV 131	Oceanography	4		
BIOS 1610	Molecular & Cellular Biology	4	BIO 115	Cell, Plant & Ecosystem Biology	4		
BIOS 1620	Ecology & Evolution	4	BIO 116	Genetics, Evolution & Animal Biology	4		
CHEM 1100/1110	Gen Chemistry I & Lab	4	CHM 150	Gen Chemistry I & Lab	4		
GEOG CR		3	GEO 115	Intro to GIS	3		
GEOS CR		4	ENV 140	Watershed Science	4		
FREN 1020 or SPAN 1020 or SIGN 1020 ¹	Elementary French I Elementary Spanish I American Sign Language I	8	FRN 102 or SPN 102 or ASL 102	Elementary French I Elementary Spanish I American Sign Language I	8		
PHIL 2200		3	PHL 105	Critical Thinking	3		
ENVS credit	Elective	3	WSI 105	Intro. to Freshwater Studies	3		
CBDRO		3	WSI 290	Internship	3		
	Humanities	3		Humanities Group 1	3		
TOTAL Transfer Credits		68					
Sustainability Core		Cr	NMC Equivalent				
ACTY 3990	Sustainable Accounting	3	None				3
ANTH 3470	Ethnicity/Multiculturalism	3	None			3	
ECON 3190	Environmental Economics	3	None			3	
ENVS 2150	Envir. Systems/Cycles	3	None			3	
ENVS 2250	Environmental Ecology	3	None			3	
ENVS 3000	Intro to Sustainability	3	None			3	
ENVS 3200	Major Environmental Writings ²	3					3
ENVS 3400	Environmental Policy	4	None				4
GEOG 3500	Conservation & Environmental Mgt.	3	None			3	
MGMT 3120	Sustainable Ops	3	None			3	
MKTG 3330	Sustainable Market.	3	None				3
PHIL 3160	Ethics in Engineering & Technology	3	None			3	
Freshwater Core			NMC Equivalent				
BIOS 5535	Freshwater Ecology	4	None				4
BIOS 5545 or GEOG 5530	Human Impact on GL Ecosystem or Water Resource Mgt	3	None			3	
ENVS 5400	Freshwater Policy & Law	3	None				3
	WMU Electives	12					12
TOTAL WMU Credits		59				27	32
TOTAL NMC+WMU Credits		127					

¹Or completion of two years of high school language with a B- or better in last semester or placing into the 2000 or higher level on a proctored language proficiency exam at WMU

²Baccalaureate-level Writing Requirement at WMU