



Associate in Science & Arts Degree (ASA) with MTA  
Freshwater Studies – General  
**Course Sequence Guide**

YEAR 1 - FALL SEMESTER			Credits	Contacts	Grade	Comments
ENG	111	English Composition	4	4		
WSI	105	Introduction to Freshwater Studies	3	3		
MTH	121	College Algebra	4	4		
ENV	140	Watershed Science	4	5		
<b>Total</b>			<b>15</b>	<b>16</b>		
YEAR 1 - SPRING SEMESTER			Credits	Contacts	Grade	Comments
ENG	112	English Composition	4	4		
ENV	131	Oceanography	4	5		
GEO	115	Introduction to GIS <sup>1</sup>	3	4		
PHL	105 or 202 or 203	Critical Thinking <i>or</i> Contemporary Ethical Dilemmas <i>or</i> Environmental Ethics <sup>2, 3</sup>	3	3		
<b>Total</b>			<b>14</b>	<b>16</b>		
YEAR 2 - FALL SEMESTER			Credits	Contacts	Grade	Comments
ENV	117	Meteorology & Climatology	4	5		
BIO	115	Cell, Plant & Ecosystem Biology <sup>3</sup>	4	6		
CHM	150	General Chemistry I <sup>3</sup>	5	7		
WSI	230	Water Policy & Sustainability	3	3		
<b>Total</b>			<b>16</b>	<b>21</b>		
YEAR 2 - SPRING SEMESTER			Credits	Contacts	Grade	Comments
BIO	116	Genetic, Evolution, Animal Biology <sup>3</sup>	4	6		
ANT	113	Introduction to Cultural Anthropology <sup>3</sup>	3	3		
MTH	131	Intro to Probability & Statistics	3	3		
ECO	202	Principles of Microeconomics <sup>1, 3</sup>	3	3		
<b>Total</b>			<b>13</b>	<b>15</b>		
YEAR 2 - SUMMER SEMESTER			Credits	Contacts	Grade	Comments
WSI	290	Internship	3	3		
		Group I Humanities <sup>2</sup> (other than PHL)	3	3		
<b>TOTAL CREDITS</b>			<b>64</b>	<b>74</b>		

**Note:** WMU requires completion of two semesters of college level World Languages OR placing into the 2000 or higher level on a proctored language proficiency exam

**General Distribution Requirements to satisfy the Michigan Transfer Agreement (MTA) effective Fall 2014: TOTAL DEGREE CREDITS MINIMUM OF 60 EARNED SEMESTER CREDITS.**

<sup>1</sup> Group 1 Social Science: two courses from at least 2 departments totaling 6 credits

<sup>2</sup> Group 1 Humanities: two courses from at least 2 departments totaling 6 credits

<sup>3</sup> Required for WMU BS in Freshwater Science and Sustainability

Contact Freshwater Studies Academic Area office

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[nmc.edu/water](http://nmc.edu/water)

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