



## Transfer Guide

Northeast Wisconsin Technical College Laboratory Science Technology Associate Degree – Biological Emphasis to UW-Green Bay Bachelor of Science degree, Biology major, all emphases

Effective Date: 06/01/2021

Review Date: 06/01/2023

### Transfer Plan Highlights:

- Students can utilize the courses and skills from the Associate Degree in Laboratory Science Technology toward a 4-year degree in Biology
- Biology has multiple emphases, with the transfer credits able to be applied to the appropriate emphasis

### Course Transfer Conditions

- Students must be accepted to UW-Green Bay to receive transfer credits
- The table on page 2 details course to course equivalencies.
- The table on pages 3-10 details additional requirements students must complete in order to earn the Bachelor of Science degree. Students must complete all UWGB residency requirements in order to graduate.
- Students choosing a major other than Biology will have different and/or additional requirements to complete.
- Northeast Wisconsin Technical College courses taken outside of the Laboratory Science Technology degree program will be evaluated on a course by course basis.

For more information, please contact:

UW-Green Bay Transfer Admissions

[uwgb@uwgb.edu](mailto:uwgb@uwgb.edu)

920-465-2111

[www.uwgb.edu/transfer](http://www.uwgb.edu/transfer)

College of Science, Engineering, and Technology

[cst@uwgb.edu](mailto:cst@uwgb.edu)

920-465-2104

[www.uwgb.edu/cset](http://www.uwgb.edu/cset)

This page details how your Northeast Wisconsin Technical College work will transfer to UW-Green Bay

Northeast Wisconsin Technical College			UW-Green Bay		
First Semester					
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
890-101	College 101	1		Not Transferrable	0
804-197	College Algebra and Trig w Apps.	5	MATH 104	Pre-Calculus	5
806-135	College Chemistry	5	CHEM 211 + 213	Principles of Chemistry 1 + Lab Gen Ed: Quantitative Literacy	5
506-136	College Chemistry 2	5	CHEM 212 + 214	Principles of Chemistry 2 + Lab	5
<b>Total credits earned</b>		<b>16</b>	<b>Total credits accepted</b>		<b>15</b>

Second Semester					
801-136	English Composition 1	3	WF 100	First Year Writing	3
806-114	General Biology	4	BIOLOGY 201+202	Principles of Biology: Cell/Molecular Gen Ed: Biological Science	4
806-154	General Physics 1	4	PHYSICS 103	Fundamentals of Physics 1 Gen Ed: Natural Science	4
806-197	Microbiology	4	BIOLOGY 323 + 324	Principles of Microbiology + Lab	4
806-164	General Physics 2	4	PHYSICS 104	Fundamentals of Physics 2	4
<b>Total credits earned</b>		<b>19</b>	<b>Total credits accepted</b>		<b>19</b>

Summer Semester					
506-137	Laboratory Intern Experience	1	CHEM 207	Laboratory Safety	1
809-166	Intro to Ethics: Theory and App	3	PHILOS 102	Contemporary Ethical Issues Gen Ed: Humanities	3
809-198	Intro to Psychology	3	PSYCH 102	Intro to Psychology Gen Ed: Social Science	3
<b>Total credits earned</b>		<b>7</b>	<b>Total credits accepted</b>		<b>7</b>

Third Semester					
506-138	Experimental Design	1		Elective Credit	1
506-157	Applied Statistics	4	MATH 260	Applied Statistics Gen Ed: Quantitative Literacy	4
506-160	Organic Chemistry 1	4	CHEM 302 + 304	Organic Chemistry 1 + Lab	4
506-162	Organic Chemistry 2	4	CHEM 303 + 305	Organic Chemistry 2 + Lab	4
809-172	Intro to Diversity Studies	3	HUM STUD 213	Ethnic Diversity Human Values Gen Ed: Ethnic Studies	3
<b>Total credits earned</b>		<b>16</b>	<b>Total credits accepted</b>		<b>16</b>

Fourth Semester					
506-159	Cell and Molecular Biology	4	BIOLOGY Elective	BIOLOGY LL Elective credit	4
801-197	Technical Reporting	3		Elective Credit	3
506-170	Experimental Research Capstone	2		Elective Credit	2
<b>Total credits earned</b>		<b>9</b>	<b>Total credits accepted</b>		<b>9</b>

<b>Total credits earned at NWTC</b>	<b>67</b>	<b>Total credits accepted at UW-Green Bay</b>	<b>66</b>
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**This page details the UW-Green Bay courses needed to complete the Biology major, Animal Biology emphasis, and all other degree requirements.**

**(This is Sample Plan – Consult a UWGB Advisor for specific advice)**

<b>Fifth Semester</b>		
WF 105 Or INFO SCI 390	Research and Rhetoric Or Technical Writing	3
BIOLOGY 203 + 204	Principles of Biology: Organisms, Ecology, and Evolution + Lab	4
BIOLOGY 303	Genetics	3
	Gen Ed: Social Sciences	3
	Gen Ed: Humanities	3
<b>Total credits earned</b>		<b>16</b>

<b>Sixth Semester</b>		
BIOLOGY 309	Evolutionary Biology	3
ENV SCI 302	Principles of Ecology (Writing Emphasis Course)	4
	Gen Ed: Fine Arts	3
	Gen Ed: Global Culture	3
<b>Total credits earned</b>		<b>13</b>

<b>Seventh Semester</b>		
BIOLOGY 311 Or BIOLOGY 346	Plant Physiology Or Comparative Physiology	3-4
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course*	3-4
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course*	3-4
	Elective Course	3
<b>Total credits earned</b>		<b>12-15</b>

<b>Eighth Semester</b>		
BIOLOGY 490	Biology Seminar (Capstone Course)	1
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course*	3-4
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course*	3-4
	Upper Level Writing Emphasis Course	3
	Gen Ed: Sustainability Perspective	3
<b>Total credits earned</b>		<b>13-15</b>

<b>Total credits earned at UW-Green Bay</b>		<b>54-59</b>
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\*A minimum of 12 Upper Level Elective credits is required.

**This page details the UW-Green Bay courses needed to complete the  
Biology major, Aquaculture emphasis, and all other degree requirements.**

**(This is Sample Plan – Consult a UWGB Advisor for specific advice)**

<b>Fifth Semester</b>		
WF 105 Or INFO SCI 390	Research and Rhetoric Or Technical Writing	3
BIOLOGY 203 + 204	Principles of Biology: Organisms, Ecology, and Evolution + Lab	4
BIOLOGY 303	Genetics	3
	Gen Ed: Social Sciences	3
<b>Total credits earned</b>		<b>13</b>

<b>Sixth Semester</b>		
BIOLOGY 360	Early Life History of Fish	3
CHEM 300 + 301	Bio-Organic Chemistry and Lab	4
ENV SCI 302	Principles of Ecology (Upper Level Writing Emphasis)	4
	Gen Ed: Fine Arts	3
<b>Total credits earned</b>		<b>14</b>

<b>Seventh Semester</b>		
BIOLOGY 309 Or BIOLOGY 346	Evolutionary Biology Or Comparative Physiology	3
ENV SCI 403	Limnology	4
BIOLOGY 361	Introduction to Aquaculture	3
	Gen Ed: Humanities	3
	Gen Ed: Global Culture	3
<b>Total credits earned</b>		<b>16</b>

<b>Eighth Semester</b>		
BIOLOGY 461	Advanced Aquaculture	3
BIOLOGY 490	Biology Seminar (Capstone Course)	1
BIOLOGY 341	Ichthyology	4
	Upper Level Writing Emphasis Course	3
	Gen Ed: Sustainability Perspective	3
<b>Total credits earned</b>		<b>14</b>

<b>Total credits earned at UW-Green Bay</b>		<b>57</b>
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This page details the UW-Green Bay courses needed to complete the Biology major, Aquatic Ecology and Fisheries emphasis, and all other degree requirements.

(This is Sample Plan – Consult a UWGB Advisor for specific advice)

<b>Fifth Semester</b>		
WF 105 Or INFO SCI 390	Research and Rhetoric Or Technical Writing	3
BIOLOGY 203 + 204	Principles of Biology: Organisms, Ecology, and Evolution + Lab	4
BIOLOGY 303	Genetics	3
	Gen Ed: Social Sciences	3
Total credits earned		13

<b>Sixth Semester</b>		
BIOLOGY 360	Early Life History of Fish	3
BIOLOGY 346	Comparative Physiology	3
ENV SCI 302	Principles of Ecology (Upper Level Writing Emphasis)	4
	Gen Ed: Fine Arts	3
	Gen Ed: Global Culture	3
Total credits earned		16

<b>Seventh Semester</b>		
BIOLOGY 309	Evolutionary Biology	3
BIOLOGY 322	Environmental Microbiology	4
BIOLOGY 490	Biology Seminar (Capstone Course)	1
ENV SCI 401 Or ENV SCI 403	Limnology Or Stream Ecology	4
	Gen Ed: Humanities	3
Total credits earned		15

<b>Eighth Semester</b>		
BIOLOGY 341 Or BIOLOGY 365	Ichthyology Or Aquatic Invertebrates	3-4
BIOLOGY 449	Wetland Ecology	3
BIOLOGY 401	Fish and Wildlife Population Dynamics	4
	Upper Level Writing Emphasis Course	3
	Gen Ed: Sustainability Perspective	3
Total credits earned		16-17

<b>Total credits earned at UW-Green Bay</b>		<b>60-61</b>
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**This page details the UW-Green Bay courses needed to complete the  
Biology major, Biology for Educators emphasis, and all other degree requirements.**

**(This is Sample Plan – Consult a UWGB Advisor for specific advice)**

<b>Fifth Semester</b>		
WF 105 Or INFO SCI 390	Research and Rhetoric Or Technical Writing	3
BIOLOGY 203 + 204	Principles of Biology : Organisms, Ecology, and Evolution + Lab	4
BIOLOGY 303	Genetics	3
	Gen Ed: Social Sciences	3
	Gen Ed: Humanities	3
<b>Total credits earned</b>		<b>16</b>

<b>Sixth Semester</b>		
BIOLOGY 309	Evolutionary Biology	3
ENV SCI 302	Principles of Ecology (Upper Level Writing Emphasis)	4
	Gen Ed: Fine Arts	3
	Gen Ed: Global Culture	3
<b>Total credits earned</b>		<b>13</b>

<b>Seventh Semester</b>		
BIOLOGY 311 Or BIOLOGY 346	Plant Physiology Or Comparative Physiology	3-4
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course –Animal Biology requirement*	1-4
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course – Ecology and Conservation requirement*	3-4
	Upper Level Writing Emphasis Course	3
	Elective Course	3
<b>Total credits earned</b>		<b>13-18</b>

<b>Eighth Semester</b>		
BIOLOGY 490	Biology Seminar (Capstone Course)	1
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course – Cell/Molecular requirement*	3-4
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course*	3-4
	Gen Ed: Sustainability Perspective	3
	Elective Course	3
<b>Total credits earned</b>		<b>13-15</b>

<b>Total credits earned at UW-Green Bay</b>		<b>55-62</b>
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\*A minimum of 12 Upper Level Elective credits is required.

**This page details the UW-Green Bay courses needed to complete the  
Biology major, Cell/Molecular emphasis, and all other degree requirements.**

**(This is Sample Plan – Consult a UWGB Advisor for specific advice)**

<b>Fifth Semester</b>		
WF 105 Or INFO SCI 390	Research and Rhetoric Or Technical Writing	3
BIOLOGY 203 + 204	Principles of Biology : Organisms, Ecology, and Evolution + Lab	4
BIOLOGY 303	Genetics	3
	Gen Ed: Social Sciences	3
	Gen Ed: Humanities	3
Total credits earned		16

<b>Sixth Semester</b>		
BIOLOGY 309	Evolutionary Biology	3
ENV SCI 302	Principles of Ecology (Upper Level Writing Emphasis)	4
	Gen Ed: Global Culture	3
	Gen Ed: Fine Arts	3
Total credits earned		13

<b>Seventh Semester</b>		
BIOLOGY 311 Or BIOLOGY 346	Plant Physiology Or Comparative Physiology	3-4
BIOLOGY 307 + 308	Cell Biology + Lab	4
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course*	3-4
	Gen Ed: Sustainability Perspective	3
Total credits earned		13-15

<b>Eighth Semester</b>		
BIOLOGY 490	Biology Seminar (Capstone Course)	1
BIOLOGY 407	Molecular Biology	3
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course*	1-4
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course*	1-4
	Elective Course	3
	Elective Course	3
Total credits earned		12-18

<b>Total credits earned at UW-Green Bay</b>		<b>54-62</b>
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\*A minimum of 5 Upper Level Elective credits is required

**This page details the UW-Green Bay courses needed to complete the  
Biology major, Ecology/Conservation emphasis, and all other degree requirements.**

**(This is Sample Plan – Consult a UWGB Advisor for specific advice)**

<b>Fifth Semester</b>		
WF 105 Or INFO SCI 390	Research and Rhetoric Or Technical Writing	3
BIOLOGY 203 + 204	Principles of Biology : Organisms, Ecology, and Evolution + Lab	4
BIOLOGY 303	Genetics	3
	Gen Ed: Social Sciences	3
	Gen Ed: Humanities	3
Total credits earned		16

<b>Sixth Semester</b>		
BIOLOGY 309	Evolutionary Biology	3
ENV SCI 302	Principles of Ecology (Upper Level Writing Emphasis)	4
	Gen Ed: Fine Arts	3
	Gen Ed: Global Culture	3
Total credits earned		13

<b>Seventh Semester</b>		
BIOLOGY 311 Or BIOLOGY 346	Plant Physiology Or Comparative Physiology	3-4
BIOLOGY 469	Conservation Biology (Gen Ed: Sustainability)	4
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course*	3-4
	Upper Level Writing Emphasis Course	3
Total credits earned		14-15

<b>Eighth Semester</b>		
BIOLOGY 490	Biology Seminar (Capstone Course)	1
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course*	3-4
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course*	3-4
	Elective Credit	3
	Elective Credit	3
Total credits earned		13-15

<b>Total credits earned at UW-Green Bay</b>		<b>55-59</b>
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\*A minimum of 8 Upper Level Elective credits is required.

**This page details the UW-Green Bay courses needed to complete the Biology major, Microbiology emphasis, and all other degree requirements.**

**(This is Sample Plan – Consult a UWGB Advisor for specific advice)**

<b>Fifth Semester</b>		
WF 105 Or INFO SCI 390	Research and Rhetoric Or Technical Writing	3
BIOLOGY 203 + 204	Principles of Biology : Organisms, Ecology, and Evolution + Lab	4
BIOLOGY 303	Genetics	3
	Gen Ed: Social Sciences	3
Total credits earned		13

<b>Sixth Semester</b>		
BIOLOGY 309	Evolutionary Biology	3
ENV SCI 302	Principles of Ecology (Upper Level Writing Emphasis)	4
	Gen Ed: Fine Arts	3
	Gen Ed: Humanities	3
Total credits earned		13

<b>Seventh Semester</b>		
BIOLOGY 311 Or BIOLOGY 346	Plant Physiology Or Comparative Physiology	3-4
BIOLOGY 402	Advanced Microbiology (Upper Level Writing Emphasis)	4
	Gen Ed: Global Culture	3
	Elective Course	3
Total credits earned		13-14

<b>Eighth Semester</b>		
BIOLOGY 490	Biology Seminar (Capstone Course)	1
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course*	4
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course*	4
	Gen Ed: Sustainability Perspective	3
	Elective Credit	3
Total credits earned		15

<b>Total credits earned at UW-Green Bay</b>		<b>54-55</b>
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\*A minimum of 8 Upper Level Elective credits is required.

**This page details the UW-Green Bay courses needed to complete the  
Biology major, Pre-Veterinary emphasis, and all other degree requirements.**

**(This is Sample Plan – Consult a UWGB Advisor for specific advice)**

<b>Fifth Semester</b>		
WF 105	Research and Rhetoric	3
BIOLOGY 203 + 204	Principles of Biology : Organisms, Ecology, and Evolution + Lab	4
BIOLOGY 303	Genetics	3
	Gen Ed: Social Sciences	3
Total credits earned		13

<b>Sixth Semester</b>		
BIOLOGY 309	Evolutionary Biology	3
ENV SCI 302	Principles of Ecology (Upper Level Writing Emphasis)	4
	Gen Ed: Fine Arts	3
	Gen Ed: Global Culture	3
Total credits earned		13

<b>Seventh Semester</b>		
BIOLOGY 346	Comparative Physiology	3
CHEM 330	Biochemistry	3
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course*	3-4
	Gen Ed: Humanities	3
	Elective Credit	3-4
Total credits earned		15-17

<b>Eighth Semester</b>		
BIOLOGY 490	Biology Seminar (Capstone Course)	1
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course*	1-4
BIOLOGY 3XX/4XX	Biology Upper Level Elective Course*	3-4
	Upper Level Writing Emphasis Course	3
	Gen Ed: Sustainability Perspective	3
	Elective credit	3
Total credits earned		14-18

<b>Total credits earned at UW-Green Bay</b>		<b>55-61</b>
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\*A minimum of 8 Upper Level Elective credits is required.