

# Human Biology Major

Students must complete requirements in one of the following areas of emphasis:

- Health Science
- Exercise Science
- Applied Public Health
- Nutritional Sciences/Dietetics
  - Nutritional Sciences/Dietetics (Accelerated) - Integrated with graduate Nutrition and Integrated Health program
- General Human Biology
- Cytotechnology
- Athletic Training (Accelerated) - Integrated with graduate Master of Athletic Training program

## Health Science

Code	Title	Credits
<b>Supporting Courses <sup>1</sup></b>		<b>41-44</b>
BIOLOGY 201	Principles of Biology: Cellular and Molecular Processes	
BIOLOGY 202	Principles of Biology Lab: Cellular and Molecular Processes	
CHEM 207	Laboratory Safety (must take at the same time OR before taking chemistry)	
CHEM 211	Principles of Chemistry I	
CHEM 212	Principles of Chemistry II	
CHEM 213	Principles of Chemistry I Laboratory	
CHEM 214	Principles of Chemistry II Laboratory	
MATH 260	Introductory Statistics	
<b>Anatomy and Physiology options (choose one):</b>		
HUM BIOL 240 & HUM BIOL 241	Anatomy and Physiology and Anatomy and Physiology Lab	
HUM BIOL 221 & HUM BIOL 222	Anatomy and Physiology I and Anatomy and Physiology II	
<b>Math (choose one):</b>		
MATH 104	Precalculus	
MATH 202	Calculus and Analytic Geometry I	
MATH 203	Calculus and Analytic Geometry II	
<b>Physics Options (choose one):</b>		
PHYSICS 103 & PHYSICS 203 & PHYSICS 104 & PHYSICS 204	Fundamentals of Physics I and Introductory Physics Lab I and Fundamentals of Physics II and Introductory Physics Lab II	
PHYSICS 201 & PHYSICS 203 & PHYSICS 202 & PHYSICS 204	Principles of Physics I and Introductory Physics Lab I and Principles of Physics II and Introductory Physics Lab II	
<b>Choose one of the following 3 options:</b>		<b>3</b>
COMM 133 or COMM 166	Fundamentals of Public Address Fundamentals of Interpersonal Communication	
or Any literature course, e.g., ENGLISH 104 Introduction to Literature		
or One year of any college-level foreign language		
<b>Upper-Level Courses</b>		<b>33</b>
<b>Required Courses</b>		
CHEM 302	Organic Chemistry I	
CHEM 303	Organic Chemistry II	
CHEM 304	Organic Chemistry Laboratory I	
CHEM 305	Organic Chemistry Laboratory II	

**Choose three of the following courses:**

BIOLOGY 303                      Genetics  
 or HUM BIOL 310                Human Genetics

BIOLOGY 307                      Cell Biology  
 HUM BIOL 402                    Human Physiology

NUT SCI 300                      Human Nutrition

**Biochemistry (choose one):**

CHEM 330                         Biochemistry  
 or CHEM 311                    Analytical Chemistry

**Microbiology (choose one option):**

HUM BIOL 323                    Medical Microbiology  
 & HUM BIOL 326                and Medical Microbiology Lab  
 BIOLOGY 323                    Principles of Microbiology  
 & BIOLOGY 324                and Principles of Microbiology Laboratory

**Electives (minimum of 8 credits): <sup>2</sup>**

BIOLOGY 303                      Genetics  
 BIOLOGY 304                      Genetics Laboratory  
 BIOLOGY 307                      Cell Biology  
 BIOLOGY 308                      Cell Biology Laboratory  
 BIOLOGY 309                      Evolutionary Biology  
 BIOLOGY 322                      Environmental Microbiology  
 BIOLOGY 340                      Comparative Anatomy of Vertebrates  
 BIOLOGY 345                      Animal Behavior  
 BIOLOGY 346                      Comparative Physiology  
 BIOLOGY 402                      Advanced Microbiology  
 BIOLOGY 407                      Molecular Biology  
 BIOLOGY 408                      Molecular Biology Laboratory  
 BIOLOGY 410                      Developmental Biology  
 BIOLOGY 411                      Developmental Biology Laboratory  
 CHEM 311                         Analytical Chemistry  
 CHEM 330                         Biochemistry  
 CHEM 331                         Biochemistry Laboratory  
 HUM BIOL 310                    Human Genetics  
 HUM BIOL 315                    Foundations of Neuroscience  
 HUM BIOL 318                    Reproductive Biology  
 HUM BIOL 322                    Epidemiology  
 HUM BIOL 324                    The Biology of Women  
 HUM BIOL 331                    Science and Religion: Spirit of Inquiry  
 HUM BIOL 333                    Principles of Sports Physiology  
 HUM BIOL 341                    Human Anatomy Laboratory  
 HUM BIOL 351                    Kinesiology  
 HUM BIOL 360                    Exercise Physiology  
 HUM BIOL 361                    Human Physiology Lab - Exercise and Metabolism  
 HUM BIOL 403                    Human Physiology Laboratory  
 HUM BIOL 423                    Immunology Lab  
 HUM BIOL 427                    Cancer Biology Laboratory  
 HUM BIOL 401                    Art and Science  
 HUM BIOL 413                    Neurobiology  
 HUM BIOL 402                    Human Physiology  
 HUM BIOL 403                    Human Physiology Laboratory  
 HUM BIOL 422                    Immunology  
 HUM BIOL 426                    Cancer Biology

HUM BIOL 444	Endocrinology
NUT SCI 300	Human Nutrition
NUT SCI 327	Nutritional Biochemistry
NUT SCI 350	Life Cycle Nutrition
NUT SCI 427	Nutri-genomics and Advanced Nutrient Metabolism
NUT SCI 486	Medical Nutrition Therapy II: An Integrative and Functional Approach
Maximum of ONE Psychology course	
PSYCH 308	Physiological Psychology (Maximum of ONE Psychology Course)
PSYCH 435	Psychopathology
PSYCH 450	Health Psychology

**Total Credits****77-80**

<sup>1</sup> It is highly recommended that as **freshmen**, pre-medical and pre-dental students take BIOLOGY 201, BIOLOGY 202 and CHEM 211, CHEM 212, CHEM 213, CHEM 214 and consult and adviser.

<sup>2</sup> Requires a minimum of two upper-level laboratory courses within the Health Science electives

## Exercise Science

Code	Title	Credits
<b>Supporting Courses</b>		<b>41-44</b>
BIOLOGY 201	Principles of Biology: Cellular and Molecular Processes	
BIOLOGY 202	Principles of Biology Lab: Cellular and Molecular Processes	
CHEM 207	Laboratory Safety (must take at the same time OR before taking chemistry)	
CHEM 211	Principles of Chemistry I	
CHEM 212	Principles of Chemistry II	
CHEM 213	Principles of Chemistry I Laboratory	
CHEM 214	Principles of Chemistry II Laboratory	
HUM BIOL 210	Prevention and Treatment of Athletic Injuries	
MATH 260	Introductory Statistics	
PSYCH 102	Introduction to Psychology	
First Aid/CPR		
HUM BIOL 116	First Aid and Emergency Care Procedures (First Aid/CPR Requirement may be met with Red Cross Certification))	
<b>Choose one:</b>		
HIMT 330	Healthcare I: Terminology & Body Systems	
NURSING 200	Fundamentals of Healthcare Terminology	
<b>Physics Options (choose one):</b>		
PHYSICS 103 & PHYSICS 203	Fundamentals of Physics I and Introductory Physics Lab I	
PHYSICS 201 & PHYSICS 203	Principles of Physics I and Introductory Physics Lab I	
<b>Anatomy and Physiology Options (choose one):</b>		
HUM BIOL 240 & HUM BIOL 241	Anatomy and Physiology and Anatomy and Physiology Lab	
HUM BIOL 221 & HUM BIOL 222	Anatomy and Physiology I and Anatomy and Physiology II	
<b>Upper-Level Courses</b>		<b>39</b>
HUM BIOL 333	Principles of Sports Physiology	
HUM BIOL 343	Exercise Training and Prescription	
HUM BIOL 344	Motor Learning and Performance	
HUM BIOL 351	Kinesiology	
HUM BIOL 360 & HUM BIOL 361	Exercise Physiology and Human Physiology Lab - Exercise and Metabolism	
HUM BIOL 451	Biomechanics	

NUT SCI 300	Human Nutrition
<b>Organic Chemistry Options (choose one):</b>	
CHEM 300 & CHEM 301	Bio-Organic Chemistry and Bio-Organic Chemistry Laboratory
CHEM 302 & CHEM 304	Organic Chemistry I and Organic Chemistry Laboratory I
<b>Psychology (choose one):</b>	
PSYCH 308	Physiological Psychology
PSYCH 321	Sport and Performance Psychology
PSYCH 435	Psychopathology
PSYCH 450	Health Psychology
<b>Elective Courses (minimum of 9 credits): <sup>1</sup></b>	
BIOLOGY 303	Genetics
BIOLOGY 304	Genetics Laboratory
BIOLOGY 307	Cell Biology
BIOLOGY 308	Cell Biology Laboratory
BIOLOGY 309	Evolutionary Biology
BIOLOGY 322	Environmental Microbiology
BIOLOGY 323	Principles of Microbiology
BIOLOGY 324	Principles of Microbiology Laboratory
BIOLOGY 340	Comparative Anatomy of Vertebrates
BIOLOGY 345	Animal Behavior
BIOLOGY 346	Comparative Physiology
BIOLOGY 402	Advanced Microbiology
BIOLOGY 407	Molecular Biology
BIOLOGY 408	Molecular Biology Laboratory
BIOLOGY 410	Developmental Biology
BIOLOGY 411	Developmental Biology Laboratory
CHEM 303	Organic Chemistry II
CHEM 305	Organic Chemistry Laboratory II
CHEM 330	Biochemistry
CHEM 331	Biochemistry Laboratory
HUM BIOL 310	Human Genetics
HUM BIOL 315	Foundations of Neuroscience
HUM BIOL 318	Reproductive Biology
HUM BIOL 322	Epidemiology
HUM BIOL 323	Medical Microbiology
HUM BIOL 324	The Biology of Women
HUM BIOL 326	Medical Microbiology Lab
HUM BIOL 331	Science and Religion: Spirit of Inquiry
HUM BIOL 341	Human Anatomy Laboratory
HUM BIOL 361	Human Physiology Lab - Exercise and Metabolism
HUM BIOL 401	Art and Science
HUM BIOL 402	Human Physiology
HUM BIOL 403	Human Physiology Laboratory
HUM BIOL 413	Neurobiology
HUM BIOL 422	Immunology
HUM BIOL 423	Immunology Lab
HUM BIOL 426	Cancer Biology
HUM BIOL 427	Cancer Biology Laboratory
HUM BIOL 444	Endocrinology
HUM BIOL 495	Teaching Assistantship

HUM BIOL 497	Internship
HUM BIOL 498	Independent Study
NUT SCI 327	Nutritional Biochemistry
NUT SCI 350	Life Cycle Nutrition
NUT SCI 427	Nutrigenomics and Advanced Nutrient Metabolism
NUT SCI 486	Medical Nutrition Therapy II: An Integrative and Functional Approach

(Only) ONE course in Psychology may be used for upper-level electives.

**Total Credits** **80-83**

<sup>1</sup> Verify 1 course is Laboratory Elective

## Applied Public Health

Code	Title	Credits
<b>Supporting Courses</b>		<b>38-41</b>
BIOLOGY 201	Principles of Biology: Cellular and Molecular Processes	
BIOLOGY 202	Principles of Biology Lab: Cellular and Molecular Processes	
CHEM 207	Laboratory Safety	
CHEM 211	Principles of Chemistry I	
CHEM 212	Principles of Chemistry II	
CHEM 213	Principles of Chemistry I Laboratory	
CHEM 214	Principles of Chemistry II Laboratory	
MATH 104	Precalculus	
MATH 260	Introductory Statistics	
NUT SCI 212	Science of Food Preparation	
NURSING 200	Fundamentals of Healthcare Terminology	
<b>Anatomy and Physiology options (choose one):</b>		
HUM BIOL 240 & HUM BIOL 241	Anatomy and Physiology and Anatomy and Physiology Lab	
HUM BIOL 221 & HUM BIOL 222	Anatomy and Physiology I and Anatomy and Physiology II	
<b>Choose one option:</b>		
COMM 133 or COMM 166	Fundamentals of Public Address Fundamentals of Interpersonal Communication	
or Any literature course, e.g., ENGLISH 104 Introduction to Literature		
or One year of college-level foreign language		
<b>Upper-Level Courses</b>		<b>30</b>
<b>Required:</b>		
BIOLOGY 402	Advanced Microbiology	
HUM BIOL 322	Epidemiology	
NUT SCI 300	Human Nutrition	
NUT SCI 312	Quantity Food Production and Service	
NUT SCI 421	Community and Public Health Nutrition	
<b>Microbiology option (choose one):</b>		
BIOLOGY 323 & BIOLOGY 324	Principles of Microbiology and Principles of Microbiology Laboratory	
HUM BIOL 323 & HUM BIOL 326	Medical Microbiology and Medical Microbiology Lab	
<b>Organic Chemistry (choose one option):</b>		
CHEM 300 & CHEM 301	Bio-Organic Chemistry and Bio-Organic Chemistry Laboratory	
CHEM 302 & CHEM 304	Organic Chemistry I and Organic Chemistry Laboratory I	

Electives, as needed, to acquire 30 credits of upper level coursework. Options to fulfill this requirement include upper level courses in Human Biology, Nutritional Science, Biology and Psychology.

Total Credits

68-71

## Nutritional Sciences/Dietetics

Note: Students must have a grade of C or better in CHEM 211 and BIO 201 in order to declare their major in Nutritional Sciences/Dietetics emphasis

Code	Title	Credits
<b>Supporting Courses</b>		<b>35-38</b>
BIOLOGY 201	Principles of Biology: Cellular and Molecular Processes	
BIOLOGY 202	Principles of Biology Lab: Cellular and Molecular Processes	
CHEM 207	Laboratory Safety	
CHEM 211	Principles of Chemistry I	
CHEM 212	Principles of Chemistry II	
CHEM 213	Principles of Chemistry I Laboratory	
CHEM 214	Principles of Chemistry II Laboratory	
COMM 133	Fundamentals of Public Address	
MATH 260	Introductory Statistics	
NUT SCI 201	Survey of Nutrition Related Professions	
NUT SCI 212	Science of Food Preparation	
<b>Anatomy and Physiology (choose one option):</b>		
HUM BIOL 240 & HUM BIOL 241	Anatomy and Physiology and Anatomy and Physiology Lab	
HUM BIOL 221 & HUM BIOL 222	Anatomy and Physiology I and Anatomy and Physiology II	
<b>Psychology (choose one):</b>		
PSYCH 102	Introduction to Psychology	
PSYCH 203	Introduction to Lifespan Development	
<b>Required Upper-Level Courses</b>		<b>43-44</b>
CHEM 300	Bio-Organic Chemistry	
CHEM 301	Bio-Organic Chemistry Laboratory	
<b>Genetics (choose one):</b>		
BIOLOGY 303	Genetics	
HUM BIOL 310	Human Genetics	
<b>Microbiology (choose one option):</b>		
HUM BIOL 323 & HUM BIOL 326	Medical Microbiology and Medical Microbiology Lab	
BIOLOGY 323 & BIOLOGY 324	Principles of Microbiology and Principles of Microbiology Laboratory	
<b>Physiology (choose one option):</b>		
HUM BIOL 360 & HUM BIOL 361	Exercise Physiology and Human Physiology Lab - Exercise and Metabolism	
HUM BIOL 402	Human Physiology	
<b>Required Upper-Level Nutrition Courses</b>		
NUT SCI 300	Human Nutrition	
NUT SCI 312	Quantity Food Production and Service	
NUT SCI 350	Life Cycle Nutrition	
NUT SCI 421	Community and Public Health Nutrition	
NUT SCI 423	Community and Public Health Nutrition - Lab	
NUT SCI 427	Nutrigenomics and Advanced Nutrient Metabolism	
NUT SCI 485	Medical Nutrition Therapy I: An Integrative and Functional Approach	
NUT SCI 486	Medical Nutrition Therapy II: An Integrative and Functional Approach	
NUT SCI 487	Nutritional Science Seminar	

NUT SCI 488	Medical Nutrition Therapy II: An Integrative and Functional Approach - Discussion
<b>Biochemistry (choose one option):</b>	
NUT SCI 327	Nutritional Biochemistry
CHEM 330 & CHEM 331	Biochemistry and Biochemistry Laboratory
<b>Additional Courses (NOT REQUIRED) to Consider</b>	
NUT SCI 495	Teaching Assistantship
NUT SCI 497	Internship
NUT SCI 498	Independent Study

**Total Credits****78-82**

## Nutritional Sciences/Dietetics (Accelerated) -Integrated with graduate Nutrition and Integrated Health program

Code	Title	Credits
<b>Supporting Courses</b>		<b>35-38</b>
BIOLOGY 201	Principles of Biology: Cellular and Molecular Processes	
BIOLOGY 202	Principles of Biology Lab: Cellular and Molecular Processes	
CHEM 207	Laboratory Safety (must take at the same time OR before taking chemistry)	
CHEM 211	Principles of Chemistry I	
CHEM 212	Principles of Chemistry II	
CHEM 213	Principles of Chemistry I Laboratory	
CHEM 214	Principles of Chemistry II Laboratory	
COMM 133	Fundamentals of Public Address	
MATH 260	Introductory Statistics	
NUT SCI 201	Survey of Nutrition Related Professions	
NUT SCI 212	Science of Food Preparation	
<b>Anatomy and Physiology options (choose one):</b>		
HUM BIOL 240 & HUM BIOL 241	Anatomy and Physiology and Anatomy and Physiology Lab	
HUM BIOL 221 & HUM BIOL 222	Anatomy and Physiology I and Anatomy and Physiology II	
<b>Psychology (choose one):</b>		
PSYCH 102	Introduction to Psychology	
PSYCH 203	Introduction to Lifespan Development	
<b>Required Upper-Level Courses</b>		<b>43-44</b>
CHEM 300	Bio-Organic Chemistry	
CHEM 301	Bio-Organic Chemistry Laboratory	
NUT SCI 300	Human Nutrition	
NUT SCI 312	Quantity Food Production and Service	
NUT SCI 350	Life Cycle Nutrition	
NUT SCI 421/621	Community and Public Health Nutrition #	
NUT SCI 423	Community and Public Health Nutrition - Lab	
NUT SCI 427/627	Nutrigenomics and Advanced Nutrient Metabolism #	
NUT SCI 485/685	Medical Nutrition Therapy I: An Integrative and Functional Approach #	
NUT SCI 486/686	Medical Nutrition Therapy II: An Integrative and Functional Approach #	
NUT SCI 487	Nutritional Science Seminar	
NUT SCI 488	Medical Nutrition Therapy II: An Integrative and Functional Approach - Discussion	
<b>Genetics (choose one):</b>		
BIOLOGY 303	Genetics	
HUM BIOL 310	Human Genetics	
<b>Microbiology options (choose one):</b>		

BIOLOGY 323 & BIOLOGY 324	Principles of Microbiology and Principles of Microbiology Laboratory
HUM BIOL 323 & HUM BIOL 326	Medical Microbiology and Medical Microbiology Lab
<b>Physiology options (choose one):</b>	
HUM BIOL 360 & HUM BIOL 361	Exercise Physiology and Human Physiology Lab - Exercise and Metabolism
HUM BIOL 402	Human Physiology
<b>Biochemistry options (choose one):</b>	
CHEM 330 & CHEM 331	Biochemistry and Biochemistry Laboratory
NUT SCI 327	Nutritional Biochemistry
<b>Additional Courses (NOT REQUIRED) to Consider</b>	
NUT SCI 495	Teaching Assistantship
NUT SCI 497	Internship
NUT SCI 498	Independent Study
<b>Total Credits</b>	<b>78-82</b>

# Students must be granted permission through the department to enroll in graduate level coursework. For more information, contact the graduate Nutrition and Integrated Health program or refer to the graduate catalog (<http://catalog.uwgb.edu/archive/2024-2025/graduate/general-information/academic-rules-regulations/undergrad-in-accelerated/>).

## General Human Biology

Code	Title	Credits
<b>Supporting Courses</b>		<b>27-30</b>
BIOLOGY 201	Principles of Biology: Cellular and Molecular Processes	
BIOLOGY 202	Principles of Biology Lab: Cellular and Molecular Processes	
CHEM 207	Laboratory Safety	
CHEM 211	Principles of Chemistry I	
CHEM 212	Principles of Chemistry II	
CHEM 213	Principles of Chemistry I Laboratory	
CHEM 214	Principles of Chemistry II Laboratory	
MATH 260	Introductory Statistics	
<b>Anatomy and Physiology options (choose one):</b>		
HUM BIOL 240 & HUM BIOL 241	Anatomy and Physiology and Anatomy and Physiology Lab	
HUM BIOL 221 & HUM BIOL 222	Anatomy and Physiology I and Anatomy and Physiology II	
<b>Choose one of the following options:</b>		
COMM 133 or COMM 166	Fundamentals of Public Address Fundamentals of Interpersonal Communication	
or Any literature course, e.g., ENGLISH 104 Introduction to Literature		
or One year of any college-level foreign language		
<b>Upper-Level Courses</b>		<b>30</b>
<b>Organic Chemistry options (choose one):</b>		
CHEM 300 & CHEM 301	Bio-Organic Chemistry and Bio-Organic Chemistry Laboratory	
CHEM 302 & CHEM 304	Organic Chemistry I and Organic Chemistry Laboratory I	
<b>Choose one course from three of the four areas:</b>		
<b>Genetics</b>		
BIOLOGY 303 or HUM BIOL 310	Genetics Human Genetics	



<b>Physiology</b>	
HUM BIOL 402	Human Physiology
HUM BIOL 360	Exercise Physiology
<b>Nutrition</b>	
NUT SCI 300	Human Nutrition
<b>Cell or Microbiology</b>	
BIOLOGY 307	Cell Biology
BIOLOGY 323	Principles of Microbiology
HUM BIOL 323	Medical Microbiology
<b>Elective Courses (minimum of 17 credits):</b> <sup>1,2</sup>	
any 300-level HUM BIOL course	
any 400-level HUM BIOL course	
BIOLOGY 302	Principles of Microbiology
BIOLOGY 303	Genetics
BIOLOGY 322	Environmental Microbiology
BIOLOGY 304	Genetics Laboratory
BIOLOGY 307	Cell Biology
BIOLOGY 308	Cell Biology Laboratory
BIOLOGY 309	Evolutionary Biology
BIOLOGY 323	Principles of Microbiology
BIOLOGY 324	Principles of Microbiology Laboratory
BIOLOGY 340	Comparative Anatomy of Vertebrates
BIOLOGY 345	Animal Behavior
BIOLOGY 346	Comparative Physiology
BIOLOGY 402	Advanced Microbiology
BIOLOGY 407	Molecular Biology
BIOLOGY 408	Molecular Biology Laboratory
BIOLOGY 410	Developmental Biology
BIOLOGY 411	Developmental Biology Laboratory
CHEM 302	Organic Chemistry I
CHEM 303	Organic Chemistry II
CHEM 304	Organic Chemistry Laboratory I
CHEM 305	Organic Chemistry Laboratory II
CHEM 330	Biochemistry
CHEM 331	Biochemistry Laboratory
HUM BIOL 323	Medical Microbiology
HUM BIOL 326	Medical Microbiology Lab
NUT SCI 300	Human Nutrition
NUT SCI 327	Nutritional Biochemistry
NUT SCI 350	Life Cycle Nutrition
NUT SCI 427	Nutrigenomics and Advanced Nutrient Metabolism
NUT SCI 486	Medical Nutrition Therapy II: An Integrative and Functional Approach
(Only) ONE Psychology courses may be used toward upper-level requirements	
PSYCH 308	Physiological Psychology
PSYCH 435	Psychopathology
PSYCH 450	Health Psychology

**Total Credits****57-60**

<sup>1</sup> Select upper-level courses with assistance of a faculty adviser. A maximum of one PSYCH course can be applied to the major.

<sup>2</sup> Verify 3 courses are Laboratory Elective

## Cytotechnology

- UW-Green Bay is affiliated with two schools of cytotechnology: the Mayo Clinic and UW-Madison.
- Students complete 92 credits at UW-Green Bay, including all general education requirements, and then take an 11-month, 32-credit clinical internship at one of the cooperating institutions.
- After completion of the internship, students will graduate with a degree in Human Biology and be eligible for professional certification.

Code	Title	Credits
<b>Supporting Courses</b>		<b>31-34</b>
BIOLOGY 201	Principles of Biology: Cellular and Molecular Processes	
BIOLOGY 202	Principles of Biology Lab: Cellular and Molecular Processes	
CHEM 207	Laboratory Safety	
CHEM 211	Principles of Chemistry I	
CHEM 212	Principles of Chemistry II	
CHEM 213	Principles of Chemistry I Laboratory	
CHEM 214	Principles of Chemistry II Laboratory	
MATH 104	Precalculus	
MATH 260	Introductory Statistics	
<b>Select one (of 3) options:</b>		
COMM 133	Fundamentals of Public Address	
or COMM 166	Fundamentals of Interpersonal Communication	
or Any literature course, e.g., ENGLISH 104 Introduction to Literature		
or One year of college-level foreign language		
<b>Select one (of 2) Anatomy and Physiology options:</b>		
HUM BIOL 240 & HUM BIOL 241	Anatomy and Physiology and Anatomy and Physiology Lab	
<b>or</b>		
HUM BIOL 221 & HUM BIOL 222	Anatomy and Physiology I and Anatomy and Physiology II	
<b>Upper-Level Courses</b>		<b>15-16</b>
<b>Select one course from three of the four areas:</b>		
<b>Genetics:</b>		
BIOLOGY 303	Genetics	
HUM BIOL 310	Human Genetics	
<b>Physiology:</b>		
HUM BIOL 402	Human Physiology	
HUM BIOL 360 & HUM BIOL 361	Exercise Physiology and Human Physiology Lab - Exercise and Metabolism	
<b>Nutrition:</b>		
NUT SCI 300	Human Nutrition	
<b>Cell Biology:</b>		
BIOLOGY 307	Cell Biology	
BIOLOGY 323	Principles of Microbiology	
HUM BIOL 323	Medical Microbiology	
<b>Elective courses (choose 6 credits):<sup>1</sup></b>		
HUM BIOL 310	Human Genetics	
HUM BIOL 315	Foundations of Neuroscience	
HUM BIOL 318	Reproductive Biology	
HUM BIOL 322	Epidemiology	
HUM BIOL 323	Medical Microbiology	
HUM BIOL 326	Medical Microbiology Lab	
HUM BIOL 331	Science and Religion: Spirit of Inquiry	
HUM BIOL 341	Human Anatomy Laboratory	
HUM BIOL 351	Kinesiology	

HUM BIOL 361	Human Physiology Lab - Exercise and Metabolism
HUM BIOL 401	Art and Science
HUM BIOL 413	Neurobiology
HUM BIOL 422	Immunology
HUM BIOL 426	Cancer Biology
HUM BIOL 444	Endocrinology
BIOLOGY 303	Genetics
BIOLOGY 304	Genetics Laboratory
BIOLOGY 307	Cell Biology
BIOLOGY 308	Cell Biology Laboratory
BIOLOGY 309	Evolutionary Biology
BIOLOGY 322	Environmental Microbiology
BIOLOGY 323	Principles of Microbiology
BIOLOGY 324	Principles of Microbiology Laboratory
BIOLOGY 340	Comparative Anatomy of Vertebrates
BIOLOGY 345	Animal Behavior
BIOLOGY 346	Comparative Physiology
BIOLOGY 402	Advanced Microbiology
BIOLOGY 407	Molecular Biology
BIOLOGY 408	Molecular Biology Laboratory
BIOLOGY 410	Developmental Biology
BIOLOGY 411	Developmental Biology Laboratory
CHEM 300	Bio-Organic Chemistry
CHEM 301	Bio-Organic Chemistry Laboratory
CHEM 302	Organic Chemistry I
CHEM 303	Organic Chemistry II
CHEM 304	Organic Chemistry Laboratory I
CHEM 305	Organic Chemistry Laboratory II
CHEM 330	Biochemistry
CHEM 331	Biochemistry Laboratory
NUT SCI 300	Human Nutrition
NUT SCI 327	Nutritional Biochemistry
NUT SCI 350	Life Cycle Nutrition
NUT SCI 427	Nutrigenomics and Advanced Nutrient Metabolism
NUT SCI 486	Medical Nutrition Therapy II: An Integrative and Functional Approach
(Only) ONE Psychology course may be used for upper level electives.	
PSYCH 308	Physiological Psychology
PSYCH 435	Psychopathology
PSYCH 450	Health Psychology
<b>Cytotechnology Internship</b>	
HUM BIOL 497	Internship <sup>2</sup>
<b>Total Credits</b>	
<b>78-82</b>	

<sup>1</sup> Additional upper-level courses in Human Biology, Biology and Chemistry will depend upon the student's choice of clinical facility. These courses should be selected with the help of a faculty adviser.

<sup>2</sup> Students complete 32 credits of internship total over a 3 semester sequence. In some situations students may choose to pursue clinical training after graduation from UW-Green Bay. In this option is selected, additional upper-level elective credits are required. Consult an adviser for these situations.

## Athletic Training (Accelerated) - Integrated with graduate Master of Athletic Training program

Code	Title	Credits
<b>Supporting Courses</b>		<b>41-44</b>
BIOLOGY 201	Principles of Biology: Cellular and Molecular Processes	
BIOLOGY 202	Principles of Biology Lab: Cellular and Molecular Processes	
CHEM 207	Laboratory Safety	
CHEM 211	Principles of Chemistry I	
CHEM 212	Principles of Chemistry II	
CHEM 213	Principles of Chemistry I Laboratory	
CHEM 214	Principles of Chemistry II Laboratory	
HUM BIOL 210	Prevention and Treatment of Athletic Injuries	
MATH 260	Introductory Statistics	
PSYCH 102	Introduction to Psychology	
<b>First Aid/CPR</b>		
HUM BIOL 116	First Aid and Emergency Care Procedures (First Aid/CPR Requirement may be met with Red Cross Certification))	
<b>Choose one:</b>		
HIMT 330	Healthcare I: Terminology & Body Systems	
NURSING 200	Fundamentals of Healthcare Terminology	
<b>Physics Options (choose one):</b>		
PHYSICS 103 & PHYSICS 203	Fundamentals of Physics I and Introductory Physics Lab I	
PHYSICS 201 & PHYSICS 203	Principles of Physics I and Introductory Physics Lab I	
<b>Anatomy and Physiology Options (choose one):</b>		
HUM BIOL 240 & HUM BIOL 241	Anatomy and Physiology and Anatomy and Physiology Lab	
HUM BIOL 221 & HUM BIOL 222	Anatomy and Physiology I and Anatomy and Physiology II	
<b>Upper-Level Courses:</b>		<b>29</b>
HUM BIOL 333	Principles of Sports Physiology	
HUM BIOL 343	Exercise Training and Prescription	
HUM BIOL 344	Motor Learning and Performance	
HUM BIOL 351	Kinesiology	
HUM BIOL 360	Exercise Physiology	
HUM BIOL 361	Human Physiology Lab - Exercise and Metabolism	
HUM BIOL 402	Human Physiology	
HUM BIOL 451	Biomechanics	
NUT SCI 300	Human Nutrition	
<b>Psychology (choose one):</b>		
PSYCH 308	Physiological Psychology	
PSYCH 321	Sport and Performance Psychology	
PSYCH 435	Psychopathology	
PSYCH 450	Health Psychology	
<b>MAT courses (choose 9-12 credits): #</b>		<b>9-12</b>
AT 541	Clinical Anatomy & Physiology	
AT 601	Foundations of Athletic Training	
AT 605	Therapeutic Interventions I	
AT 610	Psychosocial Aspects of Healthcare	
AT 620	Evaluation and Management of Acute/Emergent Conditions	
AT 651	Clinical Exercise Sciences	

**Additional Upper-Level Electives:**

BIOLOGY 303	Genetics
BIOLOGY 304	Genetics Laboratory
BIOLOGY 307	Cell Biology
BIOLOGY 308	Cell Biology Laboratory
BIOLOGY 309	Evolutionary Biology
BIOLOGY 323	Principles of Microbiology
BIOLOGY 324	Principles of Microbiology Laboratory
CHEM 300 & CHEM 301	Bio-Organic Chemistry and Bio-Organic Chemistry Laboratory
CHEM 302 & CHEM 304	Organic Chemistry I and Organic Chemistry Laboratory I
HUM BIOL 310	Human Genetics
HUM BIOL 315	Foundations of Neuroscience
HUM BIOL 322	Epidemiology
HUM BIOL 323	Medical Microbiology
HUM BIOL 326	Medical Microbiology Lab
HUM BIOL 341	Human Anatomy Laboratory
HUM BIOL 403	Human Physiology Laboratory
HUM BIOL 413	Neurobiology
HUM BIOL 422	Immunology
HUM BIOL 423	Immunology Lab
HUM BIOL 495	Teaching Assistantship
HUM BIOL 496	Project/Research Assistantship
HUM BIOL 497	Internship
HUM BIOL 498	Independent Study

**Total Credits****79-85**

# Students must be granted permission through the department to enroll in graduate level coursework. For more information, contact the MAT office or refer to the graduate catalog (<https://catalog.uwgb.edu/graduate/general-information/academic-rules-regulations/undergrad-in-accelerated/>).