Human Biology Major

Choose three of the following course options:

Genetics

Cell Biology

Human Genetics

BIOLOGY 303

BIOLOGY 307

or HUM BIOL 310

Area of Emphasis

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

- Health Science
- Exercise Science
- Applied Public Health
- Nutritional Sciences/Dietetics
- General Human Biology
- Cytotechnology

Health Science

Code	Title	Credits
Supporting Courses ¹		41-44
BIOLOGY 201 & BIOLOGY 202	Principles of Biology: Cellular and Molecular Processes and Principles of Biology Lab: Cellular and Molecular Processes	
CHEM 207	Laboratory Safety (must take at the same time OR before taking chemistry)	
CHEM 211 & CHEM 213	Principles of Chemistry I and Principles of Chemistry I Laboratory	
CHEM 212 & CHEM 214	Principles of Chemistry II and Principles of Chemistry II Laboratory	
Choose one (of 2) Anatomy an	d Physiology options:	
HUM BIOL 240 & HUM BIOL 241	Anatomy and Physiology and Anatomy and Physiology Lab	
or BOTH		
HUM BIOL 221 & HUM BIOL 222	Anatomy and Physiology I and Anatomy and Physiology II	
MATH 260	Introductory Statistics	
Choose one of the following co	purses:	
MATH 104	Precalculus	
MATH 202	Calculus and Analytic Geometry I	
MATH 203	Calculus and Analytic Geometry II	
Choose one of the following of	otions:	
PHYSICS 103 & PHYSICS 104	Fundamentals of Physics I and Fundamentals of Physics II	
PHYSICS 201 & PHYSICS 202	Principles of Physics I and Principles of Physics II	
Writing Requirement ²		
WF 105	Research and Rhetoric	
Choose one of the following 3	options:	
COMM 133	Fundamentals of Public Address	
or COMM 166	Fundamentals of Interpersonal Communication	
OR		
Any literature course, e.g., ENGL	ISH 104 Introduction to Literature	
OR		
One year of any college-level for	eign language	
Upper-Level Courses		32-33
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HUM BIOL 402 Human Physiology NUT SCI 300 Human Physiology Required Courses BIOL COCY 302 Principles of Microbiology CHEM 302 Organic Chemistry I and Organ		
Report Course BIOL GCY 302 Principles of Microbiology CHEM 302 Organic Chemistry I & CHEM 303 Organic Chemistry II KEHM 305 and Organic Chemistry I KEHM 306 and Organic Chemistry I Bloomatory II KEHM 307 Analytical Chemistry NEHM 308 Analytical Chemistry BOLOGY 309 Cereficial Laboratory Boll Cody 340 Cereficia Laboratory BIOLOGY 340 Cereficial Laboratory BIOLOGY 340 Comparative Anatomy of Verebrates BIOLOGY 340 Comparative Anatomy of Verebrates BIOLOGY 341 Molecular Biology Laboratory BIOLOGY 341 Molecular Biology Laboratory BIOLOGY 341 Molecular Biology Laboratory HUM BIOL 341 Human Anatomy Laboratory HUM BIOL 341 Human Anatomy Laboratory HUM BIOL 351 Kinesilogy HUM BIOL 361 Human Physiology Laboratory HUM BIOL 362 Purman Physiology Laboratory HUM BIOL 363 Reproductive Biology HUM BIOL 364 Purman Physiology Laboratory	HUM BIOL 402	Human Physiology
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BIOLOGY 307 Cell Biology BIOLOGY 308 Cell Biology Laboratory BIOLOGY 309 Evolutionary Biology BIOLOGY 340 Comparative Anatomy of Vertebrates BIOLOGY 345 Animal Behavior BIOLOGY 346 Comparative Physiology BIOLOGY 402 Advanced Microbiology BIOLOGY/CHEM 407 Molecular Biology	BIOLOGY 303	Genetics
BIOLOGY 308 Cell Biology Laboratory BIOLOGY 309 Evolutionary Biology BIOLOGY 340 Comparative Anatomy of Vertebrates BIOLOGY 345 Animal Behavior BIOLOGY 346 Comparative Physiology BIOLOGY 402 Advanced Microbiology BIOLOGY/CHEM 407 Molecular Biology	BIOLOGY 304	Genetics Laboratory
BIOLOGY 309 Evolutionary Biology BIOLOGY 340 Comparative Anatomy of Vertebrates BIOLOGY 345 Animal Behavior BIOLOGY 346 Comparative Physiology BIOLOGY 402 Advanced Microbiology BIOLOGY/CHEM 407 Molecular Biology	BIOLOGY 307	Cell Biology
BIOLOGY 340 Comparative Anatomy of Vertebrates BIOLOGY 345 Animal Behavior BIOLOGY 346 Comparative Physiology BIOLOGY 402 Advanced Microbiology BIOLOGY/CHEM 407 Molecular Biology	BIOLOGY 308	Cell Biology Laboratory
BIOLOGY 345 Animal Behavior BIOLOGY 346 Comparative Physiology BIOLOGY 402 Advanced Microbiology BIOLOGY/CHEM 407 Molecular Biology	BIOLOGY 309	Evolutionary Biology
BIOLOGY 346 Comparative Physiology BIOLOGY 402 Advanced Microbiology BIOLOGY/CHEM 407 Molecular Biology	BIOLOGY 340	Comparative Anatomy of Vertebrates
BIOLOGY 402 Advanced Microbiology BIOLOGY/CHEM 407 Molecular Biology	BIOLOGY 345	Animal Behavior
BIOLOGY/CHEM 407 Molecular Biology	BIOLOGY 346	Comparative Physiology
<i></i>	BIOLOGY 402	Advanced Microbiology
BIOLOGY/CHEM 408 Molecular Biology Laboratory	BIOLOGY/CHEM 407	Molecular Biology
	BIOLOGY/CHEM 408	Molecular Biology Laboratory

Total Credits	·	73-77
PSYCH 450	Health Psychology	
PSYCH 435	Abnormal Psychology	
PSYCH 308	Physiological Psychology (Maximum of ONE Psychology Course)	
Maximum of ONE Psychological	gy course	
NUT SCI 486	Medical Nutrition Therapy II	
NUT SCI 427	Advanced Nutrition and Metabolism	
NUT SCI 350	Life Cycle Nutrition	
NUT SCI 327	Nutritional Biochemistry	
NUT SCI 300	Human Nutrition	
CHEM 331	Biochemistry Laboratory	
BIOLOGY 411	Developmental Biology Laboratory	
CHEM 330	Biochemistry	
CHEM 311	Analytical Chemistry	
BIOLOGY 410	Developmental Biology	

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.

Exercise Science

Code	Title	Credits
Supporting Courses		27
BIOLOGY 201 & BIOLOGY 202	Principles of Biology: Cellular and Molecular Processes and Principles of Biology Lab: Cellular and Molecular Processes	
CHEM 207	Laboratory Safety (must take at the same time OR before taking chemistry)	
CHEM 211 & CHEM 213	Principles of Chemistry I and Principles of Chemistry I Laboratory	
CHEM 212 & CHEM 214	Principles of Chemistry II and Principles of Chemistry II Laboratory	
HUM BIOL 116	First Aid and Emergency Care Procedures (First Aid/CPR Requirement may be met with Red Cross Certification))	
HUM BIOL 210	Prevention and Treatment of Athletic Injuries	
MATH 260	Introductory Statistics	
PHYSICS 103	Fundamentals of Physics I	
or PHYSICS 201	Principles of Physics I	
Choose one (of 2) Anatomy and P	hysiology Options:	
HUM BIOL 240 & HUM BIOL 241	Anatomy and Physiology and Anatomy and Physiology Lab	
or BOTH		
HUM BIOL 221 & HUM BIOL 222	Anatomy and Physiology I and Anatomy and Physiology II	
Writing Requirement ¹		0-3
WF 105	Research and Rhetoric	
Choose one of the following 3 of	options:	
COMM 133	Fundamentals of Public Address	
or COMM 166	Fundamentals of Interpersonal Communication	
OR		
Any literature course, e.g., Englis	h104 Introduction to Literature	
OR		
One year of any college-level fore	eign language	
Strongly recommended, but not requ	uired.	
NURSING 200	Fundamentals of Healthcare Terminology	

Satisfied with an ACT English score of 32 or higher.

Upper-Level Courses	3	30
HUM BIOL 333	Principles of Sports Physiology	
HUM BIOL 351	Kinesiology	
HUM BIOL 360	Exercise Physiology	
& HUM BIOL 361	and Human Physiology Lab - Exercise and Metabolism	
NUT SCI 300	Human Nutrition	
Choose one of the following cou	urses:	
BIOLOGY 303	Genetics	
or HUM BIOL 310	Human Genetics	
Organic Chemistry options		
CHEM 300	Bio-Organic Chemistry	
& CHEM 301	and Bio-Organic Chemistry Laboratory	
OR		
CHEM 302	Organic Chemistry I	
& CHEM 304	and Organic Chemistry Laboratory I	
•	course from the following courses):	
BIOLOGY 302	Principles of Microbiology	
BIOLOGY 304	Genetics Laboratory	
BIOLOGY 308	Cell Biology Laboratory	
BIOLOGY 340	Comparative Anatomy of Vertebrates	
BIOLOGY 402	Advanced Microbiology	
BIOLOGY/CHEM 408	Molecular Biology Laboratory	
BIOLOGY 411	Developmental Biology Laboratory	
HUM BIOL 341	Human Anatomy Laboratory	
HUM BIOL 403	Human Physiology Laboratory	
HUM BIOL 423	Immunology Lab	
HUM BIOL 427	Cancer Biology Laboratory	
Additional Upper-Level Elective	s	
HUM BIOL 310	Human Genetics	
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 361	Human Physiology Lab - Exercise and Metabolism	
HUM BIOL 401	Art and Science	
HUM BIOL 402	Human Physiology	
HUM BIOL 413	Neurobiology	
HUM BIOL 422	Immunology	
HUM BIOL 426	Cancer Biology	
HUM BIOL 444	Endocrinology	
BIOLOGY 302	Principles of Microbiology	
HUM BIOL 495	Research in Human Biology	
HUM BIOL 497	Internship	
HUM BIOL 498	Independent Study	
BIOLOGY 303	Genetics	
BIOLOGY 304	Genetics Laboratory	
BIOLOGY 307	Cell Biology	
BIOLOGY 308	Cell Biology Laboratory	
BIOLOGY 309	Evolutionary Biology	
BIOLOGY 340	Comparative Anatomy of Vertebrates	
BIOLOGY 345	Animal Behavior	
BIOLOGY 346	Comparative Physiology	
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	
NUT SCI 327	Nutritional Biochemistry	
NUT SCI 350	Life Cycle Nutrition	
NUT SCI 427	Advanced Nutrition and Metabolism	
NUT SCI 486	Medical Nutrition Therapy II	
(Only) ONE course in Psycholog	gy may be used for upper-level electives.	
PSYCH 308	Physiological Psychology	
PSYCH 435	Abnormal Psychology	
PSYCH 450	Health Psychology	
Total Credits		57-60

Satisfied with an ACT English score of 32 or higher

Applied Public Health

HUM BIOL 322

NUT SCI 312

Epidemiology

Quantity Food Production and Service

•	
Title	Credits
	41-44
Principles of Biology: Cellular and Molecular Processes and Principles of Biology Lab: Cellular and Molecular Processes	
Laboratory Safety	
Principles of Chemistry I and Principles of Chemistry I Laboratory	
Principles of Chemistry II and Principles of Chemistry II Laboratory	
Science of Food Preparation	
Fundamentals of Healthcare Terminology	
Research and Rhetoric ¹	
Physiology Optons:	
Anatomy and Physiology and Anatomy and Physiology Lab	
Anatomy and Physiology I and Anatomy and Physiology II	
Precalculus	
Introductory Statistics	
Fundamentals of Public Address	
Fundamentals of Interpersonal Communication	
104 Introduction to Literature	
anguage	
	30
Principles of Microbiology	
	Principles of Biology: Cellular and Molecular Processes and Principles of Biology Lab: Cellular and Molecular Processes Laboratory Safety Principles of Chemistry I and Principles of Chemistry II Laboratory Principles of Chemistry II Laboratory Principles of Chemistry II Laboratory Science of Food Preparation Fundamentals of Healthcare Terminology Research and Rhetoric Physiology Optons: Anatomy and Physiology and Anatomy and Physiology Lab Anatomy and Physiology II Precalculus Introductory Statistics Fundamentals of Public Address Fundamentals of Interpersonal Communication 104 Introduction to Literature anguage

NUT SCI 421	Community Nutrition
HIMT 360	Healthcare II: Survey of Disease & Treatments
Choose one:	
BIOLOGY 402	Advanced Microbiology
HUM BIOL 427	Cancer Biology Laboratory
Select one of the following (lake	o) courses:
BIOLOGY 304	Genetics Laboratory
BIOLOGY 308	Cell Biology Laboratory
BIOLOGY 322	Environmental Microbiology
BIOLOGY 340	Comparative Anatomy of Vertebrates
BIOLOGY 349	Comparative Physiology Laboratory
BIOLOGY 408	Molecular Biology Laboratory
HUM BIOL 341	Human Anatomy Laboratory
CHEM 331	Biochemistry Laboratory
HUM BIOL 351	Kinesiology
HUM BIOL 361	Human Physiology Lab - Exercise and Metabolism
HUM BIOL 403	Human Physiology Laboratory
HUM BIOL 423	Immunology Lab
NUT SCI 329	NUTRITIONAL BIOCHEM LAB
Select one option for organic of	chemistry:
CHEM 300	Bio-Organic Chemistry
& CHEM 301	and Bio-Organic Chemistry Laboratory
CHEM 302 & CHEM 304	Organic Chemistry I and Organic Chemistry Laboratory I
Electives, as needed, to acquire 3	30 credits of upper level coursework. Options to fulfill this requirement include upper level courses in

Total Credits 71-74

Human Biology, Nutrional Science, Biology and Psychology.

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 Science

Code	Title	Credits
Supporting Courses		35-38
BIOLOGY 201 & BIOLOGY 202	Principles of Biology: Cellular and Molecular Processes and Principles of Biology Lab: Cellular and Molecular Processes	
CHEM 207	Laboratory Safety (must take at the same time OR before taking chemistry)	
COMM 133	Fundamentals of Public Address	
MATH 260	Introductory Statistics	
WF 105	Research and Rhetoric ¹	
Select one (of 2) Anatomy and I	Physiology options:	
HUM BIOL 240 & HUM BIOL 241	Anatomy and Physiology and Anatomy and Physiology Lab	
or BOTH		
HUM BIOL 221 & HUM BIOL 222	Anatomy and Physiology I and Anatomy and Physiology II	
NUT SCI 201	Survey of Nutrition Related Professions	
NUT SCI 212	Science of Food Preparation	
PSYCH 102	Introduction to Psychology	
or PSYCH 203	Introduction to Lifespan Development	
Required Courses		
CHEM 211 & CHEM 213	Principles of Chemistry I Laboratory	

May be satisfied with an ACT English score of 32 or higher

CHEM 212	Principles of Chemistry II	
& CHEM 214	and Principles of Chemistry II Laboratory	
Required Upper-Level Cours	ses	45-46
BIOLOGY 302	Principles of Microbiology	
BIOLOGY 303	Genetics	
or HUM BIOL 310	Human Genetics	
CHEM 300	Bio-Organic Chemistry	
& CHEM 301	and Bio-Organic Chemistry Laboratory	
Select one (of two) physic	ology options	
HUM BIOL 360	Exercise Physiology	
& HUM BIOL 361	and Human Physiology Lab - Exercise and Metabolism	
or HUM BIOL 402	Human Physiology	
NUT SCI 300	Human Nutrition	
NUT SCI 312	Quantity Food Production and Service	
NUT SCI 350	Life Cycle Nutrition	
NUT SCI 421	Community Nutrition	
NUT SCI 427	Advanced Nutrition and Metabolism	
NUT SCI 485	Medical Nutrition Therapy I	
NUT SCI 486	Medical Nutrition Therapy II	
NUT SCI 487	Nutritional Science Seminar	
Choose one of the followi	ng options:	
NUT SCI 327	Nutritional Biochemistry	
CHEM 330	Biochemistry	
& CHEM 331	and Biochemistry Laboratory	
Additional Courses (NOT RE	QUIRED) to Consider	
NUT SCI 495	Research in Nutritional Science	
NUT SCI 497	Internship	
NUT SCI 498	Independent Study	
Total Credits		80-84

Satisfied for students with an ACT English score of 32 or higher.

s/Dietetics Emphasis.

General Human Biology

Code	Title	Credits
Supporting Courses		30-35
BIOLOGY 201 & BIOLOGY 202	Principles of Biology: Cellular and Molecular Processes and 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 213	and Principles of Chemistry I Laboratory	
CHEM 212	Principles of Chemistry II	
& CHEM 214	and Principles of Chemistry II Laboratory	
WF 105	Research and Rhetoric ¹	
Choose one (of 2) Anatomy and	Physiology options:	
HUM BIOL 240	Anatomy and Physiology	
& HUM BIOL 241	and Anatomy and Physiology Lab	
or BOTH		
HUM BIOL 221	Anatomy and Physiology I	
& HUM BIOL 222	and Anatomy and Physiology II	
MATH 260	Introductory Statistics	
Choose one of the following 3 o	ptions:	
COMM 133	Fundamentals of Public Address	

& HUM BIOL 361

or COMM 166 Fundamentals of Interpersonal Communication or Any literature course, e.g., ENGLISH 104 Introduction to Literature One year of any college-level foreign language Organic Chemistry - choose one option **CHEM 300** Bio-Organic Chemistry & CHEM 301 and Bio-Organic Chemistry Laboratory OR **CHEM 302** Organic Chemistry I & CHEM 304 and Organic Chemistry Laboratory I **Upper-Level Courses** 30-31 Choose one course from three of the four areas: Genetics **BIOLOGY 303** Genetics or HUM BIOL 310 **Human Genetics** Physiology (one of two options) **HUM BIOL 402 Human Physiology HUM BIOL 360 Exercise Physiology** & HUM BIOL 361 and Human Physiology Lab - Exercise and Metabolism 3 **Nutrition** NUT SCI 300 **Human Nutrition Cell Biology BIOLOGY 302** Principles of Microbiology or BIOLOGY 307 Cell Biology Laboratory Courses (need 3 upper level lab courses): 2 **BIOLOGY 302** Principles of Microbiology **BIOLOGY 304** Genetics Laboratory **BIOLOGY 308** Cell Biology Laboratory **BIOLOGY 340** Comparative Anatomy of Vertebrates **BIOLOGY 402 Advanced Microbiology BIOLOGY/CHEM 408** Molecular Biology Laboratory **BIOLOGY 411 Developmental Biology Laboratory CHEM 331 Biochemistry Laboratory HUM BIOL 341 Human Anatomy Laboratory HUM BIOL 351** Kinesiology HUM BIOL 403 Human Physiology Laboratory HUM BIOL 360 **Exercise Physiology** & HUM BIOL 361 and Human Physiology Lab - Exercise and Metabolism **HUM BIOL 423** Immunology Lab **HUM BIOL 427** Cancer Biology Laboratory NUT SCI 327 **Nutritional Biochemistry** Additional Upper-Level Electives (15 credits) **HUM BIOL 310 Human Genetics 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**

and Human Physiology Lab - Exercise and Metabolism

HIIM BIOL 402	Human Dhyaialagu	
HUM BIOL 402	Human Physiology	
HUM BIOL 403	Human Physiology Laboratory	
HUM BIOL 413	Neurobiology	
HUM BIOL 422	Immunology	
HUM BIOL 426	Cancer Biology	
HUM BIOL 444	Endocrinology	
BIOLOGY 302	Principles of Microbiology	
HUM BIOL 495	Research in Human Biology	
HUM BIOL 497	Internship	
HUM BIOL 498	Independent Study	
BIOLOGY 303	Genetics	
BIOLOGY 302	Principles of Microbiology	
BIOLOGY 303	Genetics	
BIOLOGY 304	Genetics Laboratory	
BIOLOGY 307	Cell Biology	
BIOLOGY 308	Cell Biology Laboratory	
BIOLOGY 309	Evolutionary Biology	
BIOLOGY 340	Comparative Anatomy of Vertebrates	
BIOLOGY 345	Animal Behavior	
BIOLOGY 346	Comparative Physiology	
BIOLOGY 402	Advanced Microbiology	
BIOLOGY/CHEM 407	Molecular Biology	
BIOLOGY/CHEM 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	
NUT SCI 300	Human Nutrition	
NUT SCI 327	Nutritional Biochemistry	
NUT SCI 350	Life Cycle Nutrition	
NUT SCI 427	Advanced Nutrition and Metabolism	
NUT SCI 486	Medical Nutrition Therapy II	
(Only) ONE Psychology courses may	be used toward upper-level requirements	
PSYCH 308	Physiological Psychology	
PSYCH 435	Abnormal Psychology	
PSYCH 450	Health Psychology	
Total Cradita		60.66

Total Credits 60-66

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.

Satisfied with an ACT English score of 32 or higher

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

Code	Title	Credits
Supporting Courses	Principles of Pistons Collision and Malacoles Processes	31-34
BIOLOGY 201 & BIOLOGY 202	Principles of Biology: Cellular and Molecular Processes and Principles of Biology Lab: Cellular and Molecular Processes	
CHEM 207	Laboratory Safety	
CHEM 211 & CHEM 213	Principles of Chemistry I and Principles of Chemistry I Laboratory	
CHEM 212 & CHEM 214	Principles of Chemistry II and Principles of Chemistry II Laboratory	
WF 105	Research and Rhetoric ¹	
Select one (of 3) options:		
COMM 133	Fundamentals of Public Address	
or COMM 166	Fundamentals of Interpersonal Communication	
or		
Any literature course, e.g., ENGLI	SH 104 Introduction to Literature	
or		
One year of college-level foreign I	anguage	
Select one (of 2) Anatomy and Phy	/siology options:	
HUM BIOL 240	Anatomy and Physiology	
& HUM BIOL 241	and Anatomy and Physiology Lab	
or BOTH		
HUM BIOL 221	Anatomy and Physiology I	
& HUM BIOL 222	and Anatomy and Physiology II	
Math		
MATH 104	Precalculus	
MATH 260	Introductory Statistics	
Upper-Level Courses		53-54
Select one course from three of	the four areas:	
Genetics		
BIOLOGY 303	Genetics	
or HUM BIOL 310	Human Genetics	
Physiology		
HUM BIOL 402	Human Physiology	
HUM BIOL 360 & HUM BIOL 361	Exercise Physiology and Human Physiology Lab - Exercise and Metabolism	
Nutrition		
NUT SCI 300	Human Nutrition	
Cell Biology		
BIOLOGY 302	Principles of Microbiology	
or BIOLOGY 307	Cell Biology	
Choose 6 credits of the following	g elective courses: 2	
HUM BIOL 310	Human Genetics	
HUM BIOL 318	Reproductive Biology	
HUM BIOL 322	Epidemiology	
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 302	Principles of Microbiology	
BIOLOGY 303	Genetics	
BIOLOGY 304	Genetics Laboratory	
BIOLOGY 307	Cell Biology	
BIOLOGY 308	Cell Biology Laboratory	
BIOLOGY 309	Evolutionary Biology	
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	Advanced Nutrition and Metabolism	
NUT SCI 486	Medical Nutrition Therapy II	
(Only) ONE Psychology cou	urse may be used for upper level electives.	
PSYCH 308	Physiological Psychology	
PSYCH 435	Abnormal Psychology	
PSYCH 450	Health Psychology	
Cytotechnology Interns		
HUM BIOL 497	Internship ³	
Total Credits		84-88

Total Credits 84-88

Satisfied for students with an ACT English score of 32 or higher.

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.

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.