

# Cytotechnology Emphasis

## HUMAN BIOLOGY Major

- 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>		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	
ENG COMP 105	English Composition II: Composition and Rhetoric <sup>1</sup>	
<b>Select one (of 3) 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 college-level foreign language		
<b>Select one (of 2) Anatomy and Physiology options:</b>		
HUM BIOL 204 or BOTH	Anatomy and Physiology	
HUM BIOL 221 & HUM BIOL 222	Anatomy and Physiology I and Anatomy and Physiology II	
<b>Math</b>		
MATH 104	Precalculus	
MATH 260	Introductory Statistics	
<b>Upper-Level Courses</b>		53-54
<b>Select 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 & 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 302 or BIOLOGY 307	Principles of Microbiology Cell Biology	
<b>Choose 6 credits of the following elective courses: <sup>2</sup></b>		
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
HIMT 330	Healthcare I: Terminology & Body Systems
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 course may be used for upper level electives.	
PSYCH 308	Physiological Psychology
PSYCH 435	Abnormal Psychology
PSYCH 450	Health Psychology
<b>Cytotechnology Internship</b>	
HUM BIOL 497	Internship <sup>3</sup>

Total Credits

84-88

<sup>1</sup> Satisfied for students with an ACT English score of 32 or higher.

<sup>2</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>3</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.