

ADVISING TRACK: ANATOMICAL SCIENCES

The BIOS B.S. requirements are the same for all BIOS students. However, the courses you take beyond the required courses are flexible and can be chosen to best fit your area of interest. Below are course recommendations for students who are most interested in human anatomical sciences. The emphasis name, however, does not show up officially on your transcript.

REQUIRED BIOS COURSEWORK

Non-negotiable coursework: http://catalog.niu.edu/preview_program.php?catoid=43&poid=9701

Course Number	Course Name	Credits	Typical Timing
BIOS 208	Fundamentals of Cellular Biology	3	Fall and Spring
BIOS 210	Fundamentals of Cellular Biology Lab	1	Fall and Spring
BIOS 209	Fundamentals of Organismal Biology	3	Fall and Spring
BIOS 211	Fundamentals of Organismal Biology Lab	1	Fall and Spring
BIOS 308	Genetics	5	Fall and Spring
BIOS 494	Senior Assessment	1	Fall and Spring

Current recommended schedule: <https://www.niu.edu/biology/academics/undergraduate-studies/4-year-plan.shtml>

HIGHLY RECOMMENDED BIOS ELECTIVES

Course Number	Course Name	Credits	Typical Timing
BIOS 300	Introduction to the Biology Major	1	Every fall
BIOS 311	Functional Human Anatomy	4	Every fall and spring
BIOS 355	Human Physiology	3	Every fall and spring
BIOS 446	Gross Human Anatomy (requires strong anatomy background)	6	Every fall

OTHER SUGGESTED COURSES

Course Number	Course Name	Credits	Typical Timing
BIOS 370/495/499	Research Experience	1-9	
BIOS 429	Human Embryology	3	Spring of odd years

BIOS 445	Histology	4	Spring of even years
BIOS 447	Comparative Vertebrate Anatomy	4	Every fall
BIOS 459	Human Neurobiology	4	Spring of odd years
BIOS 461	Endocrinology	3	Fall of odd years