

BIOH - BIOLOGY: HUMAN

<p>BIOH 104 Basic Human Biology. 3 Credits Term Typically Offered: Fall, Spring, Summer Provides students with a basic understanding of human anatomy and physiology. Concepts of the body plan and homeostasis will be introduced. Students will also learn the basic structure, function, and interaction of the integumentary, skeletal, muscular, nervous, endocrine, blood, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Lecture Hours 3 Department: Health Occupations - COT</p>	<p>BIOH 301 Human Anatomy & Physiology I. 3 Credits Term Typically Offered: Fall Prerequisite(s): CHMY 121 or CHMY 141 and one General Education course chosen from the Life Sciences category (BIOB 121 is preferred). Recommended: CHMY 123. Includes detailed study of the physiology of cells, tissues, bone, muscle, and the nervous system. This is primarily a course for pre-professional students and those with a major in the health sciences. Lecture Hours 3 Department: Sciences - Biology & Phys Sci</p>
<p>BIOH 105 Basic Human Biology Lab. 1 Credit Term Typically Offered: Fall, Spring Corequisite(s): BIOH 104. Introduces the student to the structure and function of the human body in a lab course. Offered ONLY Online. Lab Hours 1 Department: Health Occupations - COT</p>	<p>BIOH 302 Human Anatomy & Phys I Lab. 1 Credit Term Typically Offered: Fall Prerequisite(s): One General Education course chosen from the Life Sciences category or concurrent enrollment in BIOH 301. Includes detailed study of the anatomy of skeletal, integumentary, muscle, and nervous systems. Involves examination of body parts at both the gross and microscopic levels. Lab Hours 1 Department: Sciences - Biology & Phys Sci</p>
<p>BIOH 201 Human Anatomy & Physiology I. 3 Credits Corequisite(s): BIOH 202. Introduces functional human anatomy and physiology at the molecular, cellular, tissue, and organ levels. This course is appropriate for those individuals entering allied health fields. Topics include chemistry, cell biology, histology, and a detailed overview of the anatomy and physiology of the integumentary, skeletal, muscular, and nervous systems. Entry is restricted to City College at MSU Billings students only. Lecture Hours 3 Department: Health Occupations - COT</p>	<p>BIOH 311 Human Anatomy & Physiology II. 3 Credits Term Typically Offered: Spring Prerequisite(s): A grade of "C-" or better in BIOH 301, or consent of instructor. Corequisite(s): BIOH 312. Includes detailed study of sensory physiology, cardiovascular system, respiratory physiology, gastrointestinal system, renal physiology, endocrinology, and reproduction. Lab required. Lecture Hours 3 Department: Sciences - Biology & Phys Sci</p>
<p>BIOH 202 Human Anatomy & Phys I Lab. 1 Credit Corequisite(s): BIOH 201. Supplements concepts of human anatomy and physiology introduced in BIOH 201 with hands-on laboratory experience. Entry is restricted to City College at MSU Billings students only. Lab Hours 1 Department: Health Occupations - COT</p>	<p>BIOH 312 Human Anatomy & Phys II Lab. 1 Credit Term Typically Offered: Spring Corequisite(s): BIOH 311. Includes a study of physiology of the nervous, cardiovascular, endocrine, respiratory, renal, gastrointestinal, and reproductive systems using the laboratory approach. Lab Hours 1 Department: Sciences - Biology & Phys Sci</p>
<p>BIOH 211 Human Anatomy & Physiology II. 3 Credits Prerequisite(s): BIOH 201, BIOH 202. Corequisite(s): BIOH 212. Continues the examination of functional human anatomy and physiology at the molecular, cellular, tissue, and organ levels introduced in BIOH 201. Topics include the sensory, endocrine, blood, cardiovascular, respiratory, lymphatic, digestive, urinary, and reproductive systems. Entry is restricted to City College at MSU Billings students only. Lecture Hours 3 Department: Health Occupations - COT</p>	<p>BIOH 382 Fundmntls of Medical Histology. 2 Credits Prerequisite(s): BIOH 301 or consent of instructor. (Odd Sp) Provides a focused study of microscopic structure and function of human cells, tissues, and organs. The course integrates both lecture and laboratory experiences. Laboratory experience will emphasize identification of specimens via light microscopy. Lecture Hours 2 Department: Sciences - Biology & Phys Sci</p>
<p>BIOH 212 Human Anatomy & Phys II Lab. 1 Credit Prerequisite(s): BIOH 201, BIOH 202. Corequisite(s): BIOH 211. Supplements concepts of human anatomy and physiology introduced in BIOH 211 with hands-on laboratory experience. Entry is restricted to City College at MSU Billings students only. Lab Hours 1 Department: Health Occupations - COT</p>	<p>BIOH 383 Biology of Human Reproduction. 2 Credits Prerequisite(s): BIOH 301 or consent of instructor. (Even Sp) Provides a focused study of the structure and function of the various human reproductive organs. Emphasis will be placed on the roles of the endocrine and nervous systems in influencing virtually all aspects of human reproduction. Clinical correlations involving typical pathologies will be included. Lecture Hours 2 Department: Sciences - Biology & Phys Sci</p>
	<p>BIOH 405 Hematology. 3 Credits Term Typically Offered: Fall (odd years) Prerequisite(s): BIOH 301, BIOH 302, BIOH 311, BIOH 312. Corequisite(s): BIOH 406. Studies the function, biochemistry, cell biology, and pathology of blood and its constituents. Lecture Hours 3 Department: Sciences - Biology & Phys Sci</p>

BIOH 406 Hematology Lab. 1 Credit

Term Typically Offered: Fall (odd years)

Prerequisite(s): BIOH 301, BIOH 302, BIOH 311, BIOH 312.

Corequisite(s): BIOH 405.

Covers methods for examining white blood cells, red blood cells, and platelets.

Includes the examination of abnormal blood cells, hemostasis, and fluorescent antibody cell sorting analysis.

Lab Hours 1

Department: Sciences - Biology & Phys Sci

BIOH 470 Summer Clinical Lab. 12-15 Credits

Prerequisite(s): Consent of instructor.

Studies clinical immunohematology, clinical chemistry theory, theory and practice of phlebotomy, clinical hemostasis, clinical microscopy and urinalysis, clinical body fluids, theory of modern transfusion techniques, and theory of clinical microbiology.

This is the first part of the year-long professional training core. Clinical lab science fee applies.

Lab Hours 12-15

Department: Sciences - Biology & Phys Sci

BIOH 471 Professional Training I. 12-15 Credits

Prerequisite(s): Consent of Instructor.

Provides training at a clinical laboratory affiliate. Reviews clinical immunohematology, clinical chemistry theory, theory and practice of phlebotomy, clinical hemostasis, clinical microscopy and urinalysis, clinical body fluids, theory of modern transfusion techniques, and theory of clinical microbiology. Performs actual patient laboratory testing under the guidance of trained professionals. This is the second part of the year-long professional training core. Clinical lab science fee applies.

Lab Hours 12-15

Department: Sciences - Biology & Phys Sci

BIOH 472 Professional Training II. 12-15 Credits

Prerequisite(s): Consent of Instructor.

Provides training at a clinical laboratory affiliate. Covers financial and quality management information for the clinical laboratory, advanced immunohematology, clinical chemistry, clinical microbiology, and clinical hematology. This is the third part of the year-long professional training core. Clinical lab science fee applies.

Lecture Hours 12-15

Department: Sciences - Biology & Phys Sci

BIOH 491 Special Topics. 1-12 Credits

Prerequisite(s): determined as needed.

R-3 Provides students with an opportunity to take courses not required in any curriculum for which there is a particular need, or given on a trial basis to determine acceptability and demand before requesting a regular course number.

Lecture Hours 1-12

Department: Sciences - Biology & Phys Sci