



EXPECTED LEARNING OUTCOMES

The undergraduate Biology programs at the University of Utah provide students the knowledge base, skills, and resources needed to prepare them for careers in the Biological Sciences, or for enrollment and success in post-graduate education opportunities in numerous graduate or professional schools such as, biology, medicine, dental, veterinary, pharmacy, nursing, physical therapy, occupational therapy, and physician assistant programs. Within the department of biology, the human anatomy course is specifically designed to serve the needs of students in biology, and from many other departments on campus, as they prepare for futures in medical, dental, allied health, exercise sports science, and athletic training careers. In fact, it is designed for the educated person who is interested in becoming more knowledgeable about their most important possession — their own body.

Learning Outcomes

- **Structure and Function**

Students will be able to think critically about structure-function relationships as they build a strong foundation knowledge of the structure of the human body and learn to analyze the functions associated with this structure.

- **Developmental and Evolutionary Patterns**

Students will be able to apply developmental and evolutionary patterns to simplify the learning of anatomical structure and use these patterns to critically analyze the structure-function relationships of the human body.

- **Transmission, Flow, and Interpretation of Anatomical Information**

Students will be able to utilize the extensive language of anatomy to explain the important structural relationships and functional significance of the human body in biological and medical contexts.

- **Body Systems**

Students will be able to explain how the hierarchical organization of the human form, from cells, to tissues, to organs, to body systems account for the structural and functional features at all levels of organization and function in the human body.

- **Ability to Apply Scientific Reasoning**

Students will be able to apply critical thinking skills using the problem solving skills of science to diagnose and solve anatomical problems related to the structure and function of the human body.

- **Real World Application**

Students will not only be prepared to enter the medical, dental, allied healthcare, exercise science, and athletic training professions with the critical knowledge base of one of the most important tools they can have in their toolbox — human anatomy, but they will be prepared to better communicate with healthcare professionals about their own body and health and better understand their body as they deal with it on a daily basis for the remainder of their life.