Degree in Clinical Anatomy

- Master of Science with a Major in Clinical Anatomy (http://catalog.creighton.edu/graduate/graduate-programs-courses/clinical-anatomy/clinical-anatomy-ms)

Courses

CAN 602. Human Gross Anatomy. 6 credits. (Same as BMS 602)
Detailed structure of the human body. Dissection of the cadaver combined with conferences, lectures, and assigned readings. 4R, 9L. P: IC.

CAN 603. Microscopic Anatomy. 2,4 credits.
This course provides a comprehensive examination of the light microscopic anatomy and ultrastructure of cells, tissues, and organs. A combination of lectures, discussions, and laboratories is employed with a major focus on a laboratory experience using the light microscope. P: Gr. stdg.

CAN 621. Teaching Practicum In Medical Anatomy. 4-5 credits.
Practical experience in teaching human gross anatomy. The students will demonstrate the prosected bodies which they dissected during the previous summer. Each student will also assist with tutorials, test preparation and grading. Students will be required to prepare for each laboratory session and to actively assist the first-year medical students in the laboratory. Students will be evaluated by the medical students as well as by the course faculty. P: IC.

CAN 626. Clinical Embryology. 2 credits.
This is a course in human anatomy designed to provide students with insight into the important correlation between human development anatomy and gross anatomy. The course will cover development of all of the systems of the body. The fetus, placentation, birth and delivery also will be dealt with. Major congenital malformations will be discussed in detail. P: IC.

CAN 629. Anatomical Techniques And Topics. 2 credits.
The proper preparation, care and preservation, for gross anatomical specimens will be dealt with. Techniques by which individual systems and tissues may be demonstrated and used by the students in this course. These techniques will include latex and corrosion casting, prosection preparation, and long-term preservation of specimens. Students will learn basic embalming techniques and formulation of preservation fluids. Management of body donation programs and interaction with the public will be discussed as will the ethics of human tissue use. The management and safe use of fresh tissue dissection facilities will be discussed. Students will participate in the design of a modern facility for clinical anatomy study. P: IC.

CAN 630. Human Neuroanatomy. 4 credits.
Functional neuroanatomy, neurophysiology, and neuroembryology will be covered to examine how the nervous system controls behaviors. The course goal is to understand normal neurological function and then to be able to diagnose a patient's symptoms and to locate the source of the problem within the nervous system. P: Human Anatomy and IC.

CAN 640. Clinical Rotations And Discussion Group. 2,4 credits.
This course provides opportunities to experience day to day applications of gross anatomy in the clinical specialties of surgery, radiology, and pathology. Weekly discussions of the various cases will be held during which the pertinent anatomical correlations will be analyzed as will methods of best conveying to health sciences students the clinical information gained. Students will be expected to write a synopsis of each case and conduct the necessary literature research for a current relevant bibliography. P: IC.
**CAN 645. Education Techniques In Clinical Anatomy. 2 credits.**
The opportunity to design and implement educational techniques appropriate for lecture, small group, and laboratory applications. Each student will prepare and deliver two formal lectures which will be videotaped and constructively critiqued by faculty and peers. Approaches to computer-aided educational techniques will be considered as will specific teaching strategies for traditional lectures and tutorials. P: IC.

**CAN 792. Current Topics In Clinical Gross Anatomy. 1-3 credits.**
Provides a discussion group which is focused on current literature in clinical anatomy, surgery, pathology and radiology as it directly pertains to the study and clinical application of anatomy in the health sciences. P: IC.

**CAN 797. Clinical Anatomy Independent Research. 1-6 credits.**
Original investigation under supervision and guidance of individual staff members. Laboratory and conferences. P: IC.