

# HUMAN ANATOMY AND PHYSIOLOGY CERTIFICATE, GRADUATE

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The graduate certificate in human anatomy and physiology is a three-quarter program in which students will study the anatomy and physiology of all of the organ systems. The students will complete three courses in the Department of Biology, one course per quarter, all of which are offered at EWU's Cheney campus. Lectures focus on the principles of human physiology and the weekly, three-hour laboratory periods focus on anatomy. Most of the laboratory time is dedicated to the dissection of human cadavers and isolated structures such as cow hearts; students also will learn to identify histological preparations of tissues from each organ system and will study models of human structures. This certificate program is intended for those who require advanced knowledge of human physiology and hands-on experience with dissection of human cadavers. It is appropriate for those who plan to apply to professional (graduate) clinical programs, including medical, dental, optometry, physical therapy, pharmacy, physician assistant, and medical laboratory science programs. It also is appropriate for those who wish to pursue teaching opportunities in this discipline. Students who enroll in the graduate certificate will be required to have completed a Bachelor of Science degree in Biology or a related discipline, with a cumulative grade point average  $\geq 3.0$ , with completed coursework in general chemistry. This program is managed by the three faculty members who teach the course sequence, all of whom have participated in clinically-relevant research and graduate coursework, Drs. Jason Ashley, David Daberkow, and Joanna Joyner-Matos.

## Required Courses

BIOL 502	ADVANCED HUMAN ANATOMY AND PHYSIOLOGY I	5
BIOL 503	ADVANCED HUMAN ANATOMY AND PHYSIOLOGY II	5
BIOL 504	ADVANCED HUMAN ANATOMY AND PHYSIOLOGY III	5
Total Credits		15