

HUMAN ANATOMY AND CELL SCIENCE, PH.D.

Degree Requirements

Students are required to take Readings in Anatomy (ANAT 7330) plus a minimum of 3 credit hours of approved coursework at the 7000 level. Students must then complete a thesis.

Expected Time to Graduate: 4-5 years

Progression Chart

Course	Title	Hours
Year 1		
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
ANAT 7330	Readings in Anatomy	3
ANAT/IMED 7XXX	Approved coursework designated 7000 level including at least one course from the list below ¹	3
Hours		6
Years 2-3		
GRAD 8010	Doctoral Candidacy Examination	0
Thesis Proposal ²		
Hours		0
Years 3-4		
GRAD 8000	Doctoral Thesis ³	0
Hours		0
Total Hours		6

¹ The coursework required for an individual student will be specified in consultation with the student's faculty advisor, and will depend upon the student's background.

² The thesis proposal should be completed within two years of entering the program.

³ Prior to submission of their thesis for examination, the student normally will be expected to have presented their research at scientific meetings; and, contributed to a manuscript that is submitted, in press, or published.

Note:

- Mandatory attendance at seminars that are part of the Departmental Seminar Program is required.

Approved Coursework

Course	Title	Hours
ANAT 7460	Human Histology: Basic Tissues	1.5
ANAT 7462	Human Histology: Blood, Immune, and Cardiopulmonary Systems	1.5
ANAT 7464	Human Histology: Gastrointestinal System and Endocrine Glands	1.5
ANAT 7466	Human Histology: Reproductive and Urinary Systems, Skin, and Special Senses	1.5
ANAT 7380	Human Developmental Anatomy (Embryology)	3
ANAT 7392	Human Neuroanatomy	3

ANAT 7470	Course no longer offered	6
IMED 7004	Human Brain Imaging Methods	1.5
IMED 7092	Cell Biology A Introductory	3
IMED 7094	Cell Biology B Special Topics	3
IMED 7112	Fundamental Cellular Neurobiology	1.5
IMED 7114	Fundamental Neural Development and Plasticity	1.5
IMED 7116	Fundamental Systems Neuroscience	1.5
IMED 7118	Fundamental Neurobiology of Disease	1.5
IMED 7180	Molecular Approaches in Medical Research	3
IMED 7200	Cancer Biology	3
IMED 7210	Epigenetics in Development and Human Diseases	1.5
IMED 7242	Nucleic Acids: Structure and Function in Normal Development and Diseases	1.5
IMED 7244	Nucleic Acids: Manipulation in Biomedical Research	1.5
IMED 7290	Developmental Biology	3
IMED 7300	Microscopy, Optics, Imaging and Analysis in Health Research	3
IMED 7302	Advanced Molecular Imaging	3