

# TCU Biology - Undergraduate

		Fall Semester	Spring Semester	
Required Courses (yellow)		<b>Intro Biol I (EO) – 4 hrs</b>	<b>Intro Biol II (EO) – 4 hrs</b>	Freshman Year
		Ecology & Environment (EO) – 3 hrs	Cellular, Molecular (EO) – 3 hrs	Sophomore Year
Elective Courses (blue)	30000 & 40000	Basic Biochemistry (EO) – 3 hrs Biology of Cancer Sem (E) – 1 hr <b>Biol Research &amp; Writing (EO) – 1-3 hrs</b> Biomedical Imaging – 3 hrs <b>Comparative Vertebrate Anat (EO) – 4 hrs</b> <b>Developmental Biology (EO) – 4 hrs</b> Economic Botany (O) – 3 hrs Honors Seminar (EO) – 1 hr <b>Immunology (EO) – 4 hrs</b> Independent Res in Biol (EO) – 1-3 hrs Introductory Neuroscience (EO) – 3 hrs Mammalian Physiology (EO) – 3 hrs <b>Microbiology (EO) – 3 hrs</b> <b>Plant Biology (E) – 3 hrs</b> <b>Senior Honors Res (EO) – 1-3 hrs (WEM)</b> Stable Isotope Ecology Seminar (O) – 1 hr Stem Cell Seminar (O) – 1 hr Virology (EO) – 3 hrs (WEM)	<b>Avian Biology (E) – 3 hrs (WEM)</b> Basic Biochemistry (EO) – 3 hrs Behavioral Ecology Sem (O) – 1 hr Biogeography (O) – 3 hrs <b>Biol Research &amp; Writing (EO) – 1-3 hrs (WEM)</b> <b>Conservation Genetics (O) – 3 hrs (WEM)</b> <b>Endocrinology (EO) – 3 hrs (WEM)</b> Evolutionary Medicine Seminar (E) – 1 hr Functional Neuroanatomy (EO) – 3 hrs Genetics (EO) – 3 hrs <b>Histology (EO) – 3 hrs</b> Honors Seminar (EO) – 1 hr <b>Immunology (EO) – 4 hrs</b> Independent Res in Biol (EO) – 1-3 hrs Medical Microbiology (EO) – 3 hrs <b>Mol Biol Eukaryotes (EO) – 3 hrs</b> <b>Plant Systematics (E) – 3 hrs</b> <b>Senior Honors Res (EO) – 1-3 hrs (WEM)</b>	Elective course usually taken during junior and senior years E & O = Even and Odd Years WEM = Writing Emphasis Bolded = Lab Courses
	50000	Biochemistry (EO) – 3 hrs <b>Ecology of Lakes and Streams (E) – 3 hrs</b> Evolution (E) – 3 hrs Medicinal Chemistry – 3 hrs Neurobiology of Aging Sem (EO) – 1 hr Terrestrial Ecosystems (O) – 3 hrs	Biochemistry (EO) – 3hrs <b>Biochemistry Lab (EO) – 2 hrs (WEM)</b> <b>Biostatistics (EO) – 3 hrs</b> Neurobiology of Aging Sem (EO) – 1 hr <b>Tropical Biology (O) – 3 hrs (WEM)</b>	