

Life Science 8-12 Course Requirements

In order to be admitted to the program and pursue certification in Life Science 8-12, you must have 24 hours of coursework in the designated areas and 12 of these hours must be upper level (junior or senior designation).

Course	Title	Hours
BIOL 113 & 123 BOTN 101	Introductory Biology & Introductory Biology lab Botany	4
BIOL 114 & 124 ZOO 107	Introductory Biology & Introductory Biology lab Zoology	4
BOTN 301 RLEM 302 RLEM 303 RLEM 304 BOTN 304 BOTN 328 BOTN 453	Botany Taxonomy of Flowering Plants Rangeland Plants of North America Agrostology Rangeland Plant Taxonomy Comparative Biology of Plants People and Plants Plant Anatomy	3-4
ZOOL 318 ZOOL 319 ZOOL 320 WFSC 302 VIBS 305 ZOOL 335 WFSC 335 ENTO 313	Zoology- Vertebrates Chordate Anatomy Integrated Human Anatomy & Physiology I Integrated Human Anatomy & Physiology II Natural History of Vertebrates Biomedical Anatomy Zoology – Invertebrates Invertebrate Zoology Natural History of Invertebrates Biology of Insects	3-4
BIOL 413 & 423 MICR 206 MICR 351 VTPB 405	Microbiology / Cell Biology Cell Biology & Cell Biology lab Introductory Microbiology Fundamentals of Microbiology Biomedical Microbiology	3-4
BIOL 357 & 358 REN 205 & 215 WFSC 403 WFSC 420 & 409	Ecology Ecology & Ecology lab Fundamentals of Ecology & lab Animal Ecology Ecology for Teacher & Integrating Natural Resources for Classroom Use	3-4
GENE 301 GENE 302 GENE 320	Genetics Comprehensive Genetics Principles of Genetics Biomedical Genetics	3-4
	12 hours must be upper level	
Total		24

Course equivalencies will be determined on a case-by-case basis