Weber State University – ZOOLOGY MAJOR – *Pre-Professional* (*Pre-Med, Pre-Vet, Pre-Dent*)

Bachelor of Science Degree (BS) 2023-Current

| Required Zoology Courses: | | Required Statistics Courses (minimum 1 course): | |
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| ZOOL 1610 (1110) LS Principles of Zoology | (4) | MATH 1040 QL Introduction to Statistics | (3) |
| ZOOL 2220 Diversity of Animals | (4) | MATH 3410 Probability and Statistics I | (3) |
| ZOOL 3200 Cell Biology | (4) | SOC 3600 Social Statistics | (3) |
| ZOOL 3300 Genetics | (4) | PSY 3600 Statistics in Psychology | (3) |
| ZOOL 3450 Ecology | (4) | Total Credit Hours | 3 |
| ZOOL 3600 Comparative Physiology | (4) | | |
| ZOOL <u>3720</u> Evolution | (3) | Required Physics Courses (minimum 1 course): | (=) |
| ZOOL <u>4990</u> Seminar | (1) | PHYS 1010 PS Elementary Physics | (3) |
| Total Credit Hours | 28 | PHYS 2010 PS College Physics I w/lab | (5) |
| Union and the factor of the second se | 4 | PHYS 2210 PS Physics for Sci. and Eng. I w/lab | (5) |
| Upper-division Zoology Electives (minimum | • | Total Credit Hours | 3-5 |
| ZOOL 3470 Zoogeography | (3) | Elective Support Courses (minimum 4 courses, must | include at |
| ZOOL 3500 Conservation Biology | (3) | least 1 BTNY or MICR; Courses taken with separate la | |
| ZOOL <u>3730</u> Population Biology ZOOL <u>3820</u> Biology of Cancer | (3) <u>(</u> 3) | 1 course): | |
| ZOOL 3930 Toxicology | (3) | Botany | |
| ZOOL 4050 Comparative Vertebrate Anatomy | (3) (4) | BTNY 1203 LS Plant Biology | (3) |
| ZOOL 4100 Vertebrate Embryology | (4) | BTNY 2104 Plant Form and Function* | (3) (4) |
| ZOOL 4120 Histology | (4) | BTNY 2114 Evolutionary Survey of Plants* | (4) |
| ZOOL <u>4120</u> Histology ZOOL <u>4210</u> Advanced Human Physiology | (4) (4) (4) (4) (4) | BTNY 2303 Ethnobotany | (3) |
| ZOOL 4220 Endocrinology | (4) | BTNY 3105 Anatomy of Vascular Plants | (4) |
| ZOOL 4300 Research Applications in Genetics | (4) | BTNY 3204 Plant Physiology | (4) |
| ZOOL 4350 Animal Behavior | (4) | BTNY <u>3214</u> Soils | (4) |
| ZOOL 4470 Wildlife Ecology and Management | (4) | BTNY 3454 Plant Ecology | (4) |
| ZOOL 4480 Freshwater Ecology | (4) | BTNY <u>3504</u> Mycology | (4) |
| ZOOL 4490 Marine Ecology | (4) | BTNY 3624 Taxonomy of Vascular Plants | (4) |
| ZOOL 4500 Parasitology | (4) | Chemistry | |
| ZOOL 4640 Entomology | (4) (4) | CHEM 2310 Organic Chemistry I | (4) |
| ZOOL 4650 Ichthyology | (4) | with CHEM 2315Organic Chemistry I Lab | (1) |
| ZOOL 4660 Herpetology | (4) | CHEM 2320 Organic Chemistry II | (4) |
| ZOOL 4670 Ornithology | (4) | with CHEM 2325Organic Chemistry II Lab | (4) (1) (4) (1) (3) |
| ZOOL 4680 Mammalogy | (4) | CHEM 3070 Biochemistry I | (3) |
| | \./ | Earth and Environmental Sciences | |
| ZOOL 4700 Topics in Zoology [^] | (3-4) | | (4) |
| ZOOL <u>4700</u> Topics in Zoology [^] Total credit hours | (3-4) | GEO 3710 Intro to Geographic Information Systems/ | · — — — |
| | • | GEO 3710 Intro to Geographic Information Systems/ GEO 3840 Remote Sensing: Principles and | (4) |
| Total credit hours Experience in Zoology (minimum 2 credit hours) | 12-16 urs – may be | GEO 3710 Intro to Geographic Information Systems/ GEO 3840 Remote Sensing: Principles and Methods^ | · — — — |
| Total credit hours Experience in Zoology (minimum 2 credit hours taken in the same or separate semesters - or separate semest | 12-16 urs – may be or select a | GEO 3710 Intro to Geographic Information Systems/ GEO 3840 Remote Sensing: Principles and Methods^ Math | · — — — |
| Total credit hours Experience in Zoology (minimum 2 credit hot taken in the same or separate semesters - of 5th course from upper-division electives about 15th course from upper-division electives 15th course | 12-16 urs – may be or select a ove): | GEO 3710 Intro to Geographic Information Systems/ GEO 3840 Remote Sensing: Principles and Methods^ Math MATH 3450 Advanced Statistical Methods^ | · — — — |
| Total credit hours Experience in Zoology (minimum 2 credit hot taken in the same or separate semesters - of 5th course from upper-division electives about 200L 3099 Teaching the Human Anat. Lab. | 12-16 urs – may be or select a pove): (3) | GEO 3710 Intro to Geographic Information Systems/ GEO 3840 Remote Sensing: Principles and Methods^ Math MATH 3450 Advanced Statistical Methods^ Microbiology | (4) |
| Total credit hours Experience in Zoology (minimum 2 credit hot taken in the same or separate semesters - of 5th course from upper-division electives about 200L 3099 Teaching the Human Anat. Lab. 200L 3100 Advanced Human Anatomy | 12-16 urs – may be or select a cove): (3)(3) | GEO 3710 Intro to Geographic Information Systems/ GEO 3840 Remote Sensing: Principles and Methods^ Math MATH 3450 Advanced Statistical Methods^ Microbiology MICR 2054 LS Principles of Microbiology | (4) |
| Total credit hours Experience in Zoology (minimum 2 credit hot taken in the same or separate semesters - of 5th course from upper-division electives about 200L 3099 Teaching the Human Anat. Lab. 200L 3100 Advanced Human Anatomy 200L 4800 Research in Zoology | 12-16 urs – may be or select a cove): (3)(3) | GEO 3710 Intro to Geographic Information Systems/ GEO 3840 Remote Sensing: Principles and Methods^ Math MATH 3450 Advanced Statistical Methods^ Microbiology MICR 2054 LS Principles of Microbiology MICR 3053 Microbiological Procedures | (4) |
| Total credit hours Experience in Zoology (minimum 2 credit hot taken in the same or separate semesters - of 5th course from upper-division electives about 200L 3099 Teaching the Human Anat. Lab. 200L 3100 Advanced Human Anatomy 200L 4800 Research in Zoology 200L 4820 Human Physiol. Lab. Teach. Assist | 12-16 urs – may be or select a bye): (3) (3) (1-4) (1) | GEO 3710 Intro to Geographic Information Systems/ GEO 3840 Remote Sensing: Principles and Methods^ Math MATH 3450 Advanced Statistical Methods^ Microbiology MICR 2054 LS Principles of Microbiology MICR 3053 Microbiological Procedures MICR 3203 Immune System in Health & Disease | (4) |
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Please check the Catalog and CatTracks for Pre-Requisites & Co-Requisites