AREA:
Wildlife and Conservation Biology/Zoological Conservation Track

Bachelor of Science/Bachelor of Arts Degree
CIP 03.0601

University Studies Requirements ............................. 42-43 hrs
(See Chapter 5, University Studies Requirements)

• Oral and Written Communication (7 hours):
  ENG 105 Critical Reading, Writing, and Inquiry
  COM 161 Introduction to Public Speaking

• World’s Historical, Literary, and Philosophical Traditions (6 hrs):
  HUM 211 Western Humanities Tradition
  CIV  201 World Civilization I
  or
  CIV  202 World Civilization II

• Global Aware, Cultural Div, and the Artistic Traditions (3 hours):
  ___________________________________
  ___________________________________
Global Awareness, Cultural Diversity, and the Artistic Traditions Course

• Scientific Inquiry, Method, and Quantitative Skills: (10-15 hrs)
  STA  135 Introduction to Probability and Statistics
  and one of the following
  CHE 105 Introductory Chemistry
  CHE  201 General College Chemistry
  and one of the following
  MAT 150 Algebra and Trigonometry  or MAT 140/145
  or
  MAT 250 Calculus and Analytical Geometry I

• Social and Self-Awareness and Responsible Citizenship (6 hours):
  ___________________________________
  ___________________________________
Social Science Course

Ethics, Social Responsibility and Civic Engagement Course

• University Studies Approved Electives (6 hours):
  BIO  216 Biological Inquiry and Analysis
  ENG  224 Writing for the Professions

Core Courses .......................................................... 62-65 hrs

BIO 100T Transitions
BIO 149 Introduction to Wildlife and Conservation Biology
BIO 115 The Cellular Basis of Life
BIO 221 Zoology: Animal Form and Function
BIO 222 Botany: Plant Form and Function
BIO 310 Vertebrate Natural History
BIO 330 Principles of Ecology
BIO 333 Genetics
BIO 380 Wildlife Techniques
BIO 499 Senior Biology Seminar
BIO 578 Conservation Biology  (EVEN SPRING SEMESTER)
BIO 580 Principles of Wildlife Mgmt (EVEN SPRING SEMESTER)
BIO 584 Wildlife Policy and Admin (ODD SPRING SEMESTER)
BIO 554 Dendrology and Forest Conservation
  and one of the following:
BIO 350 Systematic Botany  (EVEN FALL SEMESTER)
BIO 553 Field Botany  (SUMMER SEMESTER)
  and one of the following:
ENG 324 Technical Writing
BIO 382 Scientific Communication for the Biologist
  and one of the following:
BIO 572 Herpetology  (ODD SPRING SEMESTER)
BIO 573 Ornithology  (EVEN SPRING SEMESTER)
BIO 574 Mammalogy  (ODD FALL SEMESTER)
  and two of the following courses:
AGR 345 Soil Science
AGR 350 Soil Survey
AGR 455 Soil Management
CHE 210 Brief Organic Chemistry
  and
CHE 215 Brief Organic Chemistry Lab
GSC 199 Earth Science
GSC 314 Sediments and Soils
PHY 130 General Physics I
  and
PHY 131 General Physics I Laboratory

Zoological Conservation Track ....................................... 17 hrs

AGR 300 Principles of Animal Nutrition
AGR 310 Applications in Animal Technology
AGR 322 Veterinary Laboratory Principles
EDU 404 Teaching Environmental Education
  and a minimum of 7 hours from the following courses (only
  one course from BIO 572, 573, and 574 [if not taken as a core
  course] will count toward this requirement)
AGR 324 Veterinary Diagnostic Imaging
AGR 329 Veterinary Hematology and Microbiology
AGR 332 Veterinary Nursing
BIO 240 Biological App of GIS  (ODD FALL SEMESTER)
BIO 300 Introductory Microbiology
BIO 322 Animal Physiology
BIO 467 General Parasitology
BIO 538 Animal Behavior  (EVEN SPRING SEMESTER)
BIO 539 Animal Behavior Laboratory
BIO 548 Prin of Diseases in Wildlife  (Online SUMMER SEMESTER)
BIO 570 Ichthyology  (ODD FALL SEMESTER)
BIO 572 Herpetology  (ODD SPRING SEMESTER)
BIO 573 Ornithology  (EVEN SPRING SEMESTER)
BIO 574 Mammalogy  (ODD FALL SEMESTER)
BIO 577 Population and Conservation Genetics
REC 465 Interpretation of Cultural and Natural Resources

Total Curriculum Requirements .....................................121-125 hrs

Note – All the listed times when courses are taught are subject to
change. Check with adviser for latest information.

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