AREA:
Wildlife and Conservation
Biology/Conservation Education and Interpretation Track

Bachelor of Science/Bachelor of Arts Degree
CIP 03.0601

University Studies Requirements ......................... 42-43 hrs

• 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):
  Choose from the Global Awareness, Cultural Diversity, and the Artistic Traditions course list

• 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 hrs):
  EDP 260 Psychology of Human Development
  and one of the following
  HIS 221 American Experience to 1865
  HIS 222 American Experience since 1865

• 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 Management (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 Introductory Organic Chemistry

BIO 572 Herpetology (ODD SPRING SEMESTER)
BIO 573 Ornithology (EVEN SPRING SEMESTER)

Conservation Education and Interpretation Track....... 17 hrs

EDU 404 Teaching Environmental Education
REC 202 Recreation Program Planning

and a minimum of 13 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)

BIO 240 Biological App of GIS (ODD FALL SEMESTER)
BIO 525 Biogeography (EVEN SPRING SEMESTER)
BIO 546 Stream Ecology (Occasional SUMMER SEMESTER)
BIO 542 Watershed Ecology (EVEN FALL SEMESTER)
BIO 561 Freshwater Invertebrates (EVEN FALL SEMESTER)
BIO 563 Aquatic Entomology (ODD SPRING SEMESTER)
BIO 564 Entomology (EVEN SPRING SEMESTER)
BIO 568 Wetland Ecology (Occasional SPRING 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 590 Disturbance Ecology (Occasional SPRING SEMESTER)

GSC 202 Introduction to Geographical Information Science
GSC 306 Landscapes of the National Parks
GSC 350 Field Techniques in Geosciences
GSC 512 Remote Sensing
GSC 521 Geographic Information Systems
REC 411 Curriculum Development in Adventure Education
REC 450 Recreational Use of Natural Resources
REC 465 Interpretation of Cultural and Natural Resources
PLN 507 Urban and Regional Land Use Planning

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.