AREA:  
Wildlife and Conservation 
Biology/Conservation Biology 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):  
  POL 250 Introduction to International Relations  

• 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):  
  ECO 231 Principles of Microeconomics  

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  
BIO 580 Principles of Wildlife Management  

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)  

Conservation Biology Track.............................................. 17 hrs  
GSC 202 Introduction to Geographical Information Science 
  and one of the following  
ECO 310 Issues in the Global Economy  
ECO 345 Environmental Economics  
  and a minimum of 10 hours from the following courses (only 
one course from BIO 570, 572, 573, and 574 [if not taken as a core 
course] will count toward this requirement)  
ANT 320 Human Ecology  
BIO 240 Biological App of GIS  (ODD FALL SEMESTER)  
BIO 300 Introductory Microbiology  
BIO 308 Ethics in Biology  
BIO 525 Biogeography  (ODD SPRING SEMESTER)  
BIO 548 Prin of Diseases in Wildlife  (Online SUMMER 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 577 Population and Conservation Genetics  
BIO 581 Applied Wildlife Economics  (Online SUMMER SEMESTER)  
BIO 590 Disturbance Ecology  (Occasional SPRING SEMESTER)  
GSC 312 Introduction to Remote Sensing  
GSC 350 Field Techniques in Geosciences  
GSC 512 Remote Sensing  
GSC 521 Geographic Information Systems  
SOC 455 Environmental Sociology  
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.