

# Bachelor of Arts with Major in Environmental Studies

Required 120 credits (36 of which must be numbered 300 or above, and 30 of which must be from UND) including:

I. Essential Studies Requirements (see University ES guidelines and course listings).

II. The Following Curriculum (39 Major Credits)

Code	Title	Credits
<b>Core Required Courses (18 credits)</b>		
ENRV 100	Environmental Studies Seminar	1-3
ENRV 122	Foundations of Environmental Science	3
COMM 360	Communicating Science	3
ENGL 227	Literature and the Environment	3
GEOG 274	Introduction to Geospatial Technologies	3
GEOG 454	Conservation and Sustainable Use of Natural Resources	3
<b>Electives (21 credits, minimum 3 credits in each area, additional 12 credits in Social Sciences and/or Humanities)</b>		
<b>Natural Sciences (3 credits)</b>		
ATSC 110 & 110L	Meteorology I and Meteorology I Laboratory	4
BIOL 150	General Biology I	3
BIOL 150L	General Biology I Laboratory	1
BIOL 151	General Biology II	3
BIOL 151L	General Biology II Laboratory	1
BIOL 332 & 332L	General Ecology and Gen Ecology Lab	4
BIOL 336	Systematic Botany	4
BIOL 350	Plant Ecology	3
BIOL 360	Soil Ecology	3
BIOL 363	Entomology	4
BIOL 425	Ichthyology	3
BIOL 433	Aquatic Ecology	3
BIOL 439	Conservation Biology	3
BIOL 470	Biostatistics	4
CHEM 115 & 115L	Introductory Chemistry and Introductory Chemistry Laboratory	4
CHEM 121 & 121L	General Chemistry I and General Chemistry I Laboratory	4
CHEM 122 & 122L	General Chemistry II and General Chemistry II Laboratory	4
CHEM 333 & 333L	Analytical Chemistry and Analytical Chemistry Laboratory	4
CHEM 341 & 341L	Organic Chemistry I and Organic Chemistry I Laboratory	4
CHEM 342 & 342L	Organic Chemistry II and Organic Chemistry II Laboratory	4
CHEM 294	Introduction to Undergraduate Research	1-3
CHEM 443	Instrumental Analysis III - Chromatography/Mass Spectrometry	2
ESSP 200	Sustainability Science	3
ESSP 320	Land and Water Sustainability	3
ESSP 333	Oceanography	3
GEOG 121 & 121L	Global Physical Environment and Global Physical Environment Laboratory	4

GEOG 134	Introduction to Global Climate	3
GEOG 322	Environmental Hazards	3
GEOG 334	Climatology	3
GEOG 374 & 374L	Environmental Remote Sensing and Environmental Remote Sensing Laboratory	3
GEOG 421	Selected Topics in Physical Geography	3
GEOG 471 & 471L	Cartography and Visualization and Cartography and Visualization Laboratory	3
GEOG 474 & 474L	Introduction to Geographic Information Systems (GIS) and GIS Laboratory	3
GEOG 475	Digital Image Processing	3
GEOG 476	Selected Topics in Geographic Information Systems	3
GEOL 101	Introduction to Geology	3
GEOL 103	Introduction to Environmental Issues	3
GEOL 205	Surviving on Planet Earth	3
GEOL 322	Geology, Society, and the Environment	3
GEOL 342	Conservation and Environmental Hydrology	3
GEOE 417	Hydrogeology	3
MATH 146	Applied Calculus I	3
<b>Social Sciences (3-15 credits)</b>		
ANTH 171	Introduction to Cultural Anthropology	3
ANTH 350	Cultural Experience: Ethnography	3
ANTH 360	Environmental Change Culture	3
ANTH 420	Archaeological Origins of Plant and Animal Use	3
COMM 206	Digital Communication: Fundamentals	3
ESSP 160	Sustainability Society	3
ESSP 310	Sustainable Food Systems	3
ESSP 330	Environmental Change: Adaptation Mitigation	3
ESSP 420	Sustainable Energy	3
ESSP 450	Environmental and Natural Resource Economics	3
ESSP 460	Global Environmental Policy	3
GEOG 352	Economic Geography	3
GEOG 457	Urban Geography and Planning	3
GEOG 459	Population Geography	3
N&D 335	World Food Patterns	3
POLS 116	State and Local Government	3
POLS 250	Introduction to Public Administration	3
POLS 432	Public Policy Making Process	3
PSYC 111	Introduction to Psychology	3
PSYC 241	Statistics for the Behavioral Sciences	4
PSYC 361	Social Psychology	3
PSYC 366	Conflict Management	3
SOC 323	Sociological Research Methods	3
SOC 326	Sociological Statistics	3
SOC 331	Community Sociology	3
SOC 437	Population	3
<b>Humanities (3-15 credits)</b>		
ENGL 308	Intermediate Creative Nonfiction Writing	3
ENGL 369	Literature and Culture	3
HIST 325	American West	3
PHIL 342	Advanced Ethics	3
PHIL 253	Environmental Ethics	3
PHIL 304	Existentialism Phenomenology	3
PHIL 450	Philosophy, Economics, and Politics	3
PHIL 451	Current Topics in Political Philosophy	3