

Bachelor of Science 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
Core Requirements (18 credits)		
ENRV 100	Environmental Studies Seminar (Repeatable to 3 credits)	1
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
Electives (21 credits, minimum 3 credits in each area, additional 12 credits in Natural Sciences)		
Natural Sciences		
ATSC 110 & 110L	Meteorology I and Meteorology I Laboratory	4
ATSC 120		3
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 392	Special Problems in Chemistry	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

GEOE 417	Hydrogeology	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 377 & 377L	and	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
MATH 146	Applied Calculus I	3
Social Science		
ANTH 171	Introduction to Cultural Anthropology	3
ANTH 350	Ethnographic Methods	3
ANTH 360	Environmental Change Culture	3
ANTH 420	Archaeological Origins of Plant and Animal Use	3
COMM 206	Digital Communication: Fundamentals	3
COMM 300		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 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	Introduction to Statistics	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
TECH 300	Technology and Society	3
Humanities		
ENGL 308	The Art of Writing Nonfiction	3
ENGL 369	Literature and Culture	3
HIST 325	American West	3
PHIL 253	Environmental Ethics	3
PHIL 304	Existentialism Phenomenology	3
PHIL 342	Advanced Ethics	3
PHIL 450	Philosophy, Economics, and Politics	3
PHIL 451	Current Topics in Political Philosophy	3