

Environmental Science - Planning and Administration Check Sheet

ES core requirements for all 3 ES tracks: 34 hours

P&A core requirements: 36 hours

Elective courses for the ES: P&A track: 12 hours

82 hours = **B.S. Environmental Science/Planning & Administration track**

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ES core requirements for all 3 ES tracks (34 hours):

	When Offered	Prerequisite(s)
BIOL 1440 Principles of Biology I	Fall, Spring, Summer	None
BIOL 1441 Principles of Biology II	Fall, Spring, Summer	BIOL 1440 with C or better
CHEM 1450 College Chemistry I	Fall, Spring, Summer	None
CHEM 1451 College Chemistry II	Fall, Spring, Summer	CHEM 1450 with C or better
GEOG 1400 Earth Systems Science	Fall, Spring	None
GEOG 3301 Conservation of Natural Resources	Fall	GEOG 1400
ENVR 3410 Environmental Theory and Application	Fall	BIOL 1441, CHEM 1451, GEOG 1400
ENVR 4410 Practicum in Environmental Science	Spring	ENVR 3410, junior status or higher
PSCI 3320 Environmental Policy and Regulation	Fall	PSCI 1330 & PSCI 2305

Planning and Administration Track (48 hours)

P&A core requirements (36 hours):

	When Offered	Prerequisite(s)
BIOL 3403 General Ecology	Fall, Spring, (often Summer)	BIOL 1441 with C or better and GEOG 2330
GEOG 2330 Quantative Methods	Fall	None
GEOG 2331 Research Methods in Geography	Spring	None
GEOG 2475 Cartography	Fall, Spring (usually T or W, 6:00-9:00)	None
GEOG 3403 Introduction to Geographic Information Systems	Fall, Spring (often T or W, 6:00-9:00)	GEOG 2475
GEOG 3318 Biogeography //or// GEOG 3333 Geo. of Nat. Hazards	Spring, odd years//Spring, even	GEOG 1400
GEOG 3319 Geographic Field Techniques	Fall	GEOG 2475
GEOG 3325 Urban & Regional Plan //or// GEOG 3371 Urban Geo.	Spring, even years /// Spring, odd	None
HIST 4301 American Environmental History	Spring	None
PSCI 2305 Introduction to Public Administration	Fall, Spring	PSCI 1330
WRTG 3310 Technical Writing	Fall, Spring	WRTG 1320

Elective courses for the ES: P&A track (12 hours):

	When Offered	Prerequisite(s)
ANTH 3340 Environmental Anthropology	Spring	ANTH 1302
ANTH 4395 Special Topics in Anthropology	Spring, odd years	ANTH 1302
BIOL 2490 Genetics	Spring, Fall	BIOL 2490 with C or better
BIOL 3390 Economic Botany and BIOL 3190 Economic Botany Lab	Spring, odd years	BIOL 2490 with C or better
BIOL 3410 Vertebrate Zoology	Spring, odd years; Summer	BIOL 2490 with C or better
BIOL 4401 Invertebrate Zoology	Spring, odd	BIOL 2490 with C or better
BIOL 4404 Plant Taxonomy	Fall	BIOL 2490 with C or better
BIOL 4406 Mammalogy	Fall, odd years	BIOL 2490 with C or better
BIOL 4407 Orthinology	Spring, odd years	BIOL 2490 with C or better
BIOL 4415 Evolution	Spring & Fall even years	BIOL 2490 with C or better
BIOL 4440 Entomology	Fall odd	BIOL 2490 with C or better
BIOL 4442 Restoration Ecology	Spring, odd years	BIOL 3403 General Ecology
BIOL 4455 Ichthyology	Spring, even years	BIOL 2490 with C or better
BIOL 4470 Biology of Seed Plants	Spring, odd years	BIOL 2490 with C or better
ENVR 4465 Environmental Toxicology	Spring, even years	BIOL 2490, CHEM 1451, MATH 2311 or equiv
GEOG 3306 Remote Sensing and Image Interpretation	Spring	None
GEOG 3318 Biogeography	Spring, odd years	GEOG 1400
GEOG 3320 Field Studies	On Demand	GEOG 1400 or GEOG 1320
GEOG 3325 Urban & Regional Planning	Spring, even years	None
GEOG 3333 Geography of Natural Hazards	Spring, even years	GEOG 1400
GEOG 3351 Weather and Climate	Fall, odd years	GEOG 1400
GEOG 3361 Landforms	On Demand	GEOG 1400
GEOG 3371 Urban Geography	Spring, odd years	None
GEOG 3399 or 3699 Internship in Geography	Fall, Spring, Summer	15 hours in GEOG
GEOG 3404 Geographic Information Analysis	Spring	GEOG 3403
GEOG 4160/4260/4360 Special Problems in Geography	Fall, Spring, Summer	12 hours in GEOG
GEOG 4303 Water Resources	Fall, even years	GEOG 1400
GEOG 4305 Soils	On Demand	GEOG 1400
GEOG 4307 Locational Analysis and Decision Making with GIS	Spring, even years	GEOG 3404
GEOG 4308 Oceanography	On Demand	GEOG 1400
GEOG 4309 GIS in Practice: Environmental Applications	Spring	GEOG 3404
GEOG 4313 Recreation and Tourism	Spring, odd years	None
MIS 1300 Business Computing (previously MIS 2343 Desktop Decision Support Strategies)	Fall, Spring, Summer	None
MIS 3321 Managing Systems and Technology	Fall, Spring, Summer	None
MIS 3328 Systems Analysis and Design	Fall, Spring	MIS 3221
MIS 3335 Programming Using Scripting Languages	Fall	None
PHIL 3380 Philosophy of Science	Fall, odd years	None

Elective courses for the ES: P&A track (12 hours): (CONTINUED)**When Offered****Prerequisite(s)**

		When Offered	Prerequisite(s)
	PSCI 3350 Interest Groups and Money in Politics	Fall or Spring (On Demand)	PSCI 1330
	PSCI 3361 Public Policy Analysis	Spring	PSCI 1330 and PSCI 2305
	PSCI 3365 Public Management	Spring	PSCI 1330 and PSCI 2305
	PSCI 3372 Political Behavior	Spring (On Demand)	PSCI 1330
	PSCI 3375 American Judicial System	On Demand	PSCI 1330
	PSCI 4300 Constitutional Law	Fall	PSCI 1330
	PSCI 4350 Public Policy and Program Evaluation	Spring	PSCI 1330 and 2305
	PSCI 4375 Intergovernmental Relations	Fall, odd years	PSCI 1330 and 2305
	PSCI 4391 Government and Budgeting	Fall, even years	PSCI 1330 and 2305
	PSCI 4199/4299/4399 Studies in Political Science	On demand	Consent of Instructor and Chair
	SOC 3321 Qualitative Research Methods	Fall	SOC 1300 or ANTH 1302
	SOC 4310 Globalization and Development	Fall, Summer	SOC 1300
	SOC 4321 Social Policy Analysis	(On Demand)	SOC 1300