ENVIRONMENTAL STUDIES/ ENVIRONMENTAL SCIENCE AND SUSTAINABILITY (BA/ MS)

Loyola's BA in Environmental Studies combines a solid base of courses in the natural sciences with course work in the social sciences to prepare students for careers in government, business, education, non-profit organizations or the media.

With our Accelerated Bachelor's/Master's Program, Loyola SES students can boost their professional credentials and save time and money by completing an undergraduate degree along with a master of science in environmental science and sustainability degree in as little as five years. The economic and academic benefits are substantial.

Related Programs

Major

 Environmental Studies (BA) (https://catalog.luc.edu/undergraduate/ environmental-sustainability/environmental-studies/environmentalstudies-ba/)

Combined

- Environmental Studies/Business (BA/MBA) (https://catalog.luc.edu/ undergraduate/accelerated-bachelors-masters-program/ environmental-studies-business-administration-ba-mba/)
- Environmental Studies/Digital Media and Storytelling (BA/MC) (https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/environmental-studies-digital-media-storytelling-bams/)

Curriculum

Environmental Studies BA students complete coursework spanning a variety of disciplines pertinent to the understanding of environmental issues.

Code	litle	Hours
BS Requirement	s	
Core Curriculum		
ENVS 137	Foundations of Environmental Science I	3
ENVS 237	Foundations of Environmental Chemistry	3
ENVS 238	Foundations of Environmental Science Lab	1
ENVS 200	Environmental Careers and Professional Skills	1
ENVS 203	Environmental Statistics	3
ENVS 280	Principles of Ecology	3
ENVS 286	Principles of Ecology Lab	1
PLSC 392	Environmental Politics	3
Justice and Ethic	es Choice	
Select one of the	e following:	3
ENVS 284	Environmental Justice	
PHIL 287	Environmental Ethics	
THEO 204	Religious Ethics and the Ecological Crisis	
Economics Choic	ee	

Select one of the	e following:	3
ENVS 335	Ecological Economics	Ū
ECON 328	Environmental Economics	
Engaged Learning		
Select one of the		3
ENVS 226	-	3
ENVS 226 ENVS 267	Science & Conservation of Freshwater Ecosystems	
	Bird Conservation and Ecology	
ENVS 273	Energy and the Environment	
ENVS 283	Environmental Sustainability	
ENVS 340	Natural History of Belize	
ENVS 345	Conservation and Sustainability of Neotropical Ecosystems	
ENVS 350A	Solutions to Environmental Problems: Water	
ENVS 350B	Solutions to Environmental Problems: Biogas	
ENVS 350C	Solutions to Environmental Problems: Climate Action	
ENVS 350F	Solutions to Environmental Problems: Food Systems	
ENVS 391	Environmental Research	
ENVS 395	Environmental Internship	
Capstone Choice	, ,	
Select one of the	following:	3
ENVS 390	Integrative Seminar	
ENVS 391C	Independent Environmental Research (Capstone)	
ENVS 395C	Environmental Internship (Capstone)	
Electives (p. 2)	, , , , , , , , , , , , , , , , , , ,	21
	elective categories below	
MS Requirement	-	
Required Courses		
ENVS 401	Sustainable Systems - Natural Science	3
ENVS 401	Sustainable Systems - Natural Science Perspectives	
ENVS 401	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives	3
ENVS 401 ENVS 402 Choose One of Fo	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives our Concentrations 1	3
ENVS 401 ENVS 402 Choose One of Formula Landing Company Comp	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives our Concentrations 1	3
ENVS 401 ENVS 402 Choose One of Fo Environmental La ENVS 410	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives our Concentrations 1 9 aw & Policy Introduction to Environmental Law & Policy	3
ENVS 401 ENVS 402 Choose One of Fo Environmental La ENVS 410 ENVS 411	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives our Concentrations aw & Policy Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy	3
ENVS 401 ENVS 402 Choose One of Fo Environmental La ENVS 410 ENVS 411 ENVS 412	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives our Concentrations 1 aw & Policy Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy	3
ENVS 401 ENVS 402 Choose One of Fo Environmental La ENVS 410 ENVS 411 ENVS 412 ENVS 413	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives For Concentrations 1 Seaw & Policy Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy	3
ENVS 401 ENVS 402 Choose One of Fo Environmental La ENVS 410 ENVS 411 ENVS 412 ENVS 413 Geographic Infor	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives Four Concentrations Saw & Policy Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Foundation Systems	3
ENVS 401 ENVS 402 Choose One of Form Environmental Land ENVS 410 ENVS 411 ENVS 412 ENVS 413 Geographic Inform ENVS 480	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives For Concentrations aw & Policy Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Formation Systems Introduction to Geographic Information Systems	3
ENVS 401 ENVS 402 Choose One of Fo Environmental La ENVS 410 ENVS 411 ENVS 412 ENVS 413 Geographic Infor ENVS 480 ENVS 481	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives For Concentrations aw & Policy Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Financian Systems Introduction to Geographic Information Systems Advanced GIS Applications	3
ENVS 401 ENVS 402 Choose One of Fo Environmental La ENVS 410 ENVS 411 ENVS 412 ENVS 413 Geographic Infor ENVS 480 ENVS 481 ENVS 482	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives Four Concentrations Saw & Policy Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Fination Systems Introduction to Geographic Information Systems Advanced GIS Applications Remote Sensing	3
ENVS 401 ENVS 402 Choose One of Fo Environmental La ENVS 410 ENVS 411 ENVS 412 ENVS 413 Geographic Infor ENVS 480 ENVS 481 ENVS 482 Sustainable Asse	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives Four Concentrations Saw & Policy Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Fination Systems Introduction to Geographic Information Systems Advanced GIS Applications Remote Sensing Figure 1.	3
ENVS 401 ENVS 402 Choose One of Form Environmental Later ENVS 410 ENVS 411 ENVS 412 ENVS 413 Geographic Inform ENVS 480 ENVS 481 ENVS 482 Sustainable Asserting ENVS 451	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives Four Concentrations aw & Policy Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Fination Systems Introduction to Geographic Information Systems Advanced GIS Applications Remote Sensing Essment and Planning Introduction to Sustainability Concepts & Impacts	3
ENVS 401 ENVS 402 Choose One of Fo Environmental La ENVS 410 ENVS 411 ENVS 412 ENVS 413 Geographic Infor ENVS 480 ENVS 481 ENVS 482 Sustainable Asse ENVS 451 ENVS 452	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives Sur Concentrations 1	3
ENVS 401 ENVS 402 Choose One of Fo Environmental La ENVS 410 ENVS 411 ENVS 412 ENVS 413 Geographic Infor ENVS 480 ENVS 481 ENVS 482 Sustainable Asse ENVS 451 ENVS 452 ENVS 453	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives Four Concentrations Saw & Policy Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Fination Systems Introduction to Geographic Information Systems Advanced GIS Applications Remote Sensing Fination Sensing Fination Systems Introduction to Sustainability Concepts & Impacts Sustainability Assessment & Reporting I Sustainability Assessment & Reporting II	3
ENVS 401 ENVS 402 Choose One of Form Environmental Lagency 410 ENVS 410 ENVS 411 ENVS 412 ENVS 413 Geographic Informency 480 ENVS 481 ENVS 482 Sustainable Asserting ENVS 451 ENVS 451 ENVS 453 ENVS 454	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives Four Concentrations Saw & Policy Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Fination Systems Introduction to Geographic Information Systems Advanced GIS Applications Remote Sensing Fersment and Planning Introduction to Sustainability Concepts & Impacts Sustainability Assessment & Reporting I Sustainability Assessment & Reporting II Sustainability Plan Development & Reporting	3
ENVS 401 ENVS 402 Choose One of Form Environmental Later ENVS 410 ENVS 411 ENVS 412 ENVS 413 Geographic Inform ENVS 480 ENVS 481 ENVS 482 Sustainable Assert ENVS 451 ENVS 452 ENVS 453 ENVS 454 Sustainable Busi	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives Four Concentrations Saw & Policy Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Fination Systems Introduction to Geographic Information Systems Advanced GIS Applications Remote Sensing Ferson and Planning Introduction to Sustainability Concepts & Impacts Sustainability Assessment & Reporting I Sustainability Plan Development & Reporting Insess	3
ENVS 401 ENVS 402 Choose One of Fo Environmental La ENVS 410 ENVS 411 ENVS 412 ENVS 413 Geographic Infor ENVS 480 ENVS 481 ENVS 482 Sustainable Asse ENVS 451 ENVS 452 ENVS 453 ENVS 454 Sustainable Busi ENVS 433	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives Sur Concentrations 1	3
ENVS 401 ENVS 402 Choose One of Fo Environmental La ENVS 410 ENVS 411 ENVS 412 ENVS 413 Geographic Infor ENVS 480 ENVS 481 ENVS 482 Sustainable Assa ENVS 451 ENVS 453 ENVS 454 Sustainable Busi ENVS 433 ENVS 435	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives Four Concentrations 1	3
ENVS 401 ENVS 402 Choose One of Fo Environmental La ENVS 410 ENVS 411 ENVS 412 ENVS 413 Geographic Infor ENVS 480 ENVS 481 ENVS 482 Sustainable Asse ENVS 451 ENVS 452 ENVS 453 ENVS 454 Sustainable Busi ENVS 433	Sustainable Systems - Natural Science Perspectives Sustainable Systems - Social Science Perspectives Sur Concentrations 1	3 3 3-12

Electives (p. 3)	12-15
Total Hours	81

Students choosing the Geographical Information Systems track must take an additional elective course to meet a total credit hours for the MS.

BA Electives

DA LICCUVES		
Code	Title	Hours
Society, Ethics, ar		
Select two of the	•	6
COMM 260	Environmental Journalism	
ENVS 204	Gender, Health & Environment	
ENVS 279	Climate and History	
ENVS 284	Environmental Justice	
ENVS 297	North American Environmental History	
ENVS 298	Special Topics (with SES approval)	
ENVS 310	Introduction to Environmental Law & Policy	
ENVS 311	Natural Resources and Land Use Law & Policy	
ENVS 312	Water Law & Policy	
ENVS 313	Energy Law & Policy	
ENVS 338	Climate Change and Human Health	
ENVS 350A	Solutions to Environmental Problems: Water	
ENVS 350B	Solutions to Environmental Problems: Biogas	
ENVS 350C	Solutions to Environmental Problems: Climate Action	
ENVS 350F	Solutions to Environmental Problems: Food Systems	
ENVS 383	Human Dimensions of Conservation	
ENVS 391	Environmental Research	
ENVS 395	Environmental Internship	
ENVS 398	Special Topics (with SES approval)	
ENVS 399	Directed Readings	
COMM 101	Public Speaking & Critical Thinking	
COMM 277	Organizational Communication	
COMM 306	Environmental Advocacy	
COMM 322	Guerilla Media	
ENGL 288	Nature in Literature	
PHIL 287	Environmental Ethics	
PSYC 277	Environmental Psychology	
SOCL 226	Science, Technology, & Society	
SOCL 252	Global Inequalities	
SOCL 272	Environmental Sociology	
SOCL 276	The Sociology and Politics of Food	
SOCL 278	Global Health	
THEO 204	Religious Ethics and the Ecological Crisis	
THEO 344	Theology and Ecology	
	s, and Resource Management	
Select one of the	-	3
ENVS 298	Special Topics (with SES approval)	
ENVS 300	Introduction to Public Health	
ENVS 310	Introduction to Environmental Law & Policy	
ENVS 310	Natural Resources and Land Use Law & Policy	
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ENVS 312	Water Law & Policy	
ENVS 313	Energy Law & Policy	
ENVS 332		
ENVS 333	Introduction to the Circular Economy	
ENVS 335	Ecological Economics	
ENVS 336	Design for Circular & Sustainable Business	
ENVS 338	Climate Change and Human Health	
ENVS 351	Introduction to Sustainability Concepts & Impacts	
ENVS 363	Sustainable Business Management	
ENVS 364	,	
ENVS 383	Human Dimensions of Conservation	
ENVS 384	Conservation Economics	
ENVS 389	Ecological Risk Assessment	
ENVS 391	Environmental Research	
ENVS 395	Environmental Internship	
ENVS 398	Special Topics (with SES approval)	
ENVS 399	Directed Readings	
ECON 328	Environmental Economics	
GLST 305	Globalization and Environmental Sustainability	
MGMT 201	Managing People and Organizations	
PLSC 354	Global Environmental Politics	
Methods and Ana		
Select one of the	-	3
COMM 260	Environmental Journalism	
ENVS 298	Special Topics (with SES approval)	
ENVS 327	Food Systems Analysis	
ENVS 352	Sustainability Assessment & Reporting I	
ENVS 353	Sustainability Assessment & Reporting II	
ENVS 354	Sustainability Plan Development & Reporting	
ENVS 380	Introduction to Geographic Information Systems	
ENVS 381	Advanced GIS Applications	
ENVS 382	Remote Sensing	
ENVS 384	Conservation Economics	
ENVS 388	Conservation Economics	
ENVS 389	Ecological Risk Assessment	
ENVS 391	Environmental Research	
ENVS 391	Environmental Internship	
ENVS 398	Special Topics (with SES approval)	
ENVS 399	Directed Readings	
ANTH 317	Ethnographic Methods	
BIOL 335	Intro to Biostatistics	
COMM 231	Conflict Management and Communication	
COMM 234	Interviewing for Communication	
COMM 277	-	
COMM 363	Organizational Communication Research Methods in Advertising/Public Relations	
	-	
MARK 320 SOCL 206	Marketing for Environmental Sustainability	
	Principles of Social Research	
SOCL 301	Statistics for Social Research	
SOCL 302	Qualitative Research	
STAT 203	Introduction to Probability & Statistics	
STAT 303 Environmental El	SAS Programming & Applied Statistics	

Choose three, at least one of which must be from List A and at least one of which must be at the 300 level):

List A ENVS 204 Gender, Health & Environment ENVS 207 Plants and Civilization ENVS 218 Biodiversity & Biogeography ENVS 223 Soil Ecology ENVS 224 Climate & Climate Change ENVS 225 Science & Conservation of Freshwater Ecosystems ENVS 227R Ecology of the Mediterranean Sea ENVS 227B Bird Conservation and Ecology ENVS 273 Energy and the Environment ENVS 274 Chemistry of the Natural Environment ENVS 278 Hydrology ENVS 283 Environmental Sustainability ENVS 298 Special Topics (with SES approval) Introduction to Public Health ENVS 300 Introduction to Deblic Health ENVS 301 Environmental Health ENVS 303 Introduction to Epidemiology ENVS 319 ENVS 320 Conservation Biology ENVS 322 Invasive Species ENVS 325 Sustainable Agriculture ENVS 326 Agroecosystems ENVS 327 Food Systems Analysis ENVS 330 Restoration Ecology ENVS 330 Restoration Ecology ENVS 331 Restoration Ecology ENVS 332 Conservation and Sustainability of Neotropical Ecosystems ENVS 340 Natural History of Belize ENVS 340 Solutions to Environmental Problems: Water ENVS 350 Solutions to Environmental Problems: Glimate Action ENVS 350 Solutions to Environmental Problems: Climate Action ENVS 350 Sustainability Assessment & Reporting I ENVS 350 Sustainability Assessment & Reporting I ENVS 351 Sustainability Assessment & Reporting I ENVS 352 Sustainability Assessment & Reporting I ENVS 353 Sustainability Assessment & Reporting I ENVS 354 Remote GIS Applications ENVS 355 Introduction to Global Health ENVS 381 Introduction to Global Health ENVS 387 Principles of Ecotoxicology ENVS 388 ENVS 389 Ecological Risk Assessment ENVS 399 Environmental Internship ENVS 399 Special Topics (with SES approval)	one of which mus	t be at the 300 level):
ENVS 207 Plants and Civilization ENVS 218 Biodiversity & Biogeography ENVS 224 Climate & Climate Change ENVS 224 Climate & Climate Change ENVS 226 Science & Conservation of Freshwater Ecosystems ENVS 2278 Ecology of the Mediterranean Sea ENVS 267 Bird Conservation and Ecology ENVS 273 Energy and the Environment ENVS 274 Chemistry of the Natural Environment ENVS 278 Hydrology ENVS 283 Environmental Sustainability ENVS 298 Special Topics (with SES approval) ENVS 300 Introduction to Public Health ENVS 301 Environmental Health ENVS 303 Introduction to Epidemiology ENVS 309 ENVS 301 Environmental Health ENVS 302 Conservation Biology ENVS 319 ENVS 320 Conservation Biology ENVS 322 Invasive Species ENVS 325 Sustainable Agriculture ENVS 326 Agroecosystems ENVS 327 Food Systems Analysis ENVS 330 Restoration Ecology ENVS 330 Restoration Ecology ENVS 331 Climate Change and Human Health ENVS 340 Natural History of Belize ENVS 340 Natural History of Belize ENVS 350 Solutions to Environmental Problems: Water ENVS 350N Solutions to Environmental Problems: Climate Action ENVS 350F Solutions to Environmental Problems: Food Systems ENVS 350F Solutions to Environmental Problems: Food Systems ENVS 350 Sustainability Assessment & Reporting I ENVS 353 Sustainability Assessment & Reporting II ENVS 369 Field Ornithology ENVS 381 Advanced GIS Applications ENVS 382 Remote Sensing ENVS 383 Introduction to Global Health ENVS 387 Principles of Ecotoxicology ENVS 388 ENVS 389 Ecological Risk Assessment ENVS 391 Environmental Internship	List A	
ENVS 218 Biodiversity & Biogeography ENVS 223 Soil Ecology ENVS 224 Climate & Climate Change ENVS 226 Science & Conservation of Freshwater Ecosystems ENVS 227R Ecology of the Mediterranean Sea ENVS 267 Bird Conservation and Ecology ENVS 273 Energy and the Environment ENVS 274 Chemistry of the Natural Environment ENVS 278 Hydrology ENVS 283 Environmental Sustainability ENVS 283 Environmental Sustainability ENVS 298 Special Topics (with SES approval) ENVS 300 Introduction to Public Health ENVS 301 Environmental Health ENVS 303 Introduction to Epidemiology ENVS 319 ENVS 320 Conservation Biology ENVS 321 ENVS 322 Invasive Species ENVS 325 Sustainable Agriculture ENVS 326 Agroecosystems ENVS 327 Food Systems Analysis ENVS 330 Restoration Ecology ENVS 330 Restoration Ecology ENVS 330 Restoration Ecology ENVS 330 Roturnal History of Belize ENVS 340 Natural History of Belize ENVS 345 Conservation and Sustainability of Neotropical Ecosystems ENVS 350A Solutions to Environmental Problems: Water ENVS 350B Solutions to Environmental Problems: Biogas ENVS 350C Solutions to Environmental Problems: Climate Action ENVS 350F Solutions to Environmental Problems: Food Systems ENVS 350 Sustainability Assessment & Reporting I ENVS 351 Sustainability Assessment & Reporting II ENVS 369 Field Ornithology ENVS 380 Introduction to Geographic Information Systems ENVS 381 Advanced GIS Applications ENVS 382 Remote Sensing ENVS 383 Introduction to Global Health ENVS 387 Principles of Ecotoxicology ENVS 388 ENVS 389 Ecological Risk Assessment ENVS 391 Environmental Internship	ENVS 204	Gender, Health & Environment
ENVS 223 Soil Ecology ENVS 224 Climate & Climate Change ENVS 226 Science & Conservation of Freshwater Ecosystems ENVS 2278 Ecology of the Mediterranean Sea ENVS 267 Bird Conservation and Ecology ENVS 273 Energy and the Environment ENVS 274 Chemistry of the Natural Environment ENVS 278 Hydrology ENVS 283 Environmental Sustainability ENVS 298 Special Topics (with SES approval) ENVS 300 Introduction to Public Health ENVS 301 Environmental Health ENVS 303 Introduction to Epidemiology ENVS 319 ENVS 320 Conservation Biology ENVS 322 Invasive Species ENVS 325 Sustainable Agriculture ENVS 326 Agroecosystems ENVS 327 Food Systems Analysis ENVS 330 Restoration Ecology ENVS 330 Restoration Ecology ENVS 330 Restoration Ecology ENVS 330 Natural History of Belize ENVS 340 Natural History of Belize ENVS 345 Conservation and Sustainability of Neotropical Ecosystems ENVS 350A Solutions to Environmental Problems: Water ENVS 350B Solutions to Environmental Problems: Biogas ENVS 350B Solutions to Environmental Problems: Food Systems ENVS 350F Solutions to Environmental Problems: Food Systems ENVS 350 Solutions to Environmental Problems: Food Systems ENVS 350 Sustainability Assessment & Reporting I ENVS 351 Sustainability Assessment & Reporting I ENVS 352 Sustainability Assessment & Reporting I ENVS 353 Sustainability Assessment & Reporting I ENVS 351 Advanced GIS Applications ENVS 382 Remote Sensing ENVS 383 Introduction to Goographic Information Systems ENVS 384 Introduction to Global Health ENVS 387 Principles of Ecotoxicology ENVS 388 ENVS 389 Ecological Risk Assessment ENVS 391 Environmental Internship	ENVS 207	Plants and Civilization
ENVS 224 Climate & Climate Change ENVS 226 Science & Conservation of Freshwater Ecosystems ENVS 227R Ecology of the Mediterranean Sea ENVS 267 Bird Conservation and Ecology ENVS 273 Energy and the Environment ENVS 274 Chemistry of the Natural Environment ENVS 274 Chemistry of the Natural Environment ENVS 278 Hydrology ENVS 283 Environmental Sustainability ENVS 298 Special Topics (with SES approval) ENVS 300 Introduction to Public Health ENVS 301 Environmental Health ENVS 303 Introduction to Epidemiology ENVS 319 ENVS 320 Conservation Biology ENVS 322 Invasive Species ENVS 325 Sustainable Agriculture ENVS 326 Agroecosystems ENVS 327 Food Systems Analysis ENVS 330 Restoration Ecology ENVS 330 Restoration Ecology ENVS 330 Restoration and Sustainability of Neotropical Ecosystems ENVS 345 Conservation and Sustainability of Neotropical Ecosystems ENVS 350 Solutions to Environmental Problems: Water ENVS 350A Solutions to Environmental Problems: Biogas ENVS 350C Solutions to Environmental Problems: Food Systems ENVS 350F Solutions to Environmental Problems: Food Systems ENVS 350 Sustainability Assessment & Reporting I ENVS 351 Sustainability Assessment & Reporting II ENVS 352 Environmental Glopal Health ENVS 380 Introduction to Geographic Information Systems ENVS 381 Remote Sensing ENVS 382 Remote Sensing ENVS 383 Ecological Risk Assessment ENVS 389 Ecological Risk Assessment ENVS 391 Environmental Internship	ENVS 218	Biodiversity & Biogeography
ENVS 226 Science & Conservation of Freshwater Ecosystems ENVS 227R Ecology of the Mediterranean Sea ENVS 267 Bird Conservation and Ecology ENVS 273 Energy and the Environment ENVS 274 Chemistry of the Natural Environment ENVS 278 Hydrology ENVS 283 Environmental Sustainability ENVS 298 Special Topics (with SES approval) ENVS 300 Introduction to Public Health ENVS 301 Environmental Health ENVS 303 Introduction to Epidemiology ENVS 319 ENVS 320 Conservation Biology ENVS 329 Sustainable Agriculture ENVS 320 Linvasive Species ENVS 325 Sustainable Agriculture ENVS 326 Agroecosystems ENVS 327 Food Systems Analysis ENVS 330 Restoration Ecology ENVS 330 Restoration Ecology ENVS 330 Restoration and Sustainability of Neotropical Ecosystems ENVS 340 Natural History of Belize ENVS 340 Solutions to Environmental Problems: Water ENVS 350A Solutions to Environmental Problems: Climate Action ENVS 350F Solutions to Environmental Problems: Climate Action ENVS 350F Solutions to Environmental Problems: Food Systems ENVS 350 Sustainability Assessment & Reporting I ENVS 350 Field Ornithology ENVS 381 Advanced GIS Applications ENVS 382 Remote Sensing ENVS 385 Introduction to Global Health ENVS 387 Principles of Ecotoxicology ENVS 389 Ecological Risk Assessment ENVS 391 Environmental Internship	ENVS 223	Soil Ecology
ENVS 227R Ecology of the Mediterranean Sea ENVS 267 Bird Conservation and Ecology ENVS 273 Energy and the Environment ENVS 274 Chemistry of the Natural Environment ENVS 278 Hydrology ENVS 283 Environmental Sustainability ENVS 298 Special Topics (with SES approval) ENVS 300 Introduction to Public Health ENVS 301 Environmental Health ENVS 303 Introduction to Epidemiology ENVS 319 ENVS 320 Conservation Biology ENVS 329 Sustainable Agriculture ENVS 320 Sustainable Agriculture ENVS 325 Sustainable Agriculture ENVS 326 Agroecosystems ENVS 327 Food Systems Analysis ENVS 330 Restoration Ecology ENVS 330 Restoration Ecology ENVS 330 Restoration and Sustainability of Neotropical Ecosystems ENVS 340 Natural History of Belize ENVS 345 Conservation and Sustainability of Neotropical Ecosystems ENVS 350A Solutions to Environmental Problems: Water ENVS 350B Solutions to Environmental Problems: Climate Action ENVS 350F Solutions to Environmental Problems: Food Systems ENVS 350 Sustainability Assessment & Reporting I ENVS 350 Field Ornithology ENVS 381 Advanced GIS Applications ENVS 382 Remote Sensing ENVS 383 Ecological Risk Assessment ENVS 389 Ecological Risk Assessment ENVS 391 Environmental Internship	ENVS 224	Climate & Climate Change
ENVS 267 Bird Conservation and Ecology ENVS 273 Energy and the Environment ENVS 274 Chemistry of the Natural Environment ENVS 278 Hydrology ENVS 283 Environmental Sustainability ENVS 298 Special Topics (with SES approval) ENVS 300 Introduction to Public Health ENVS 301 Environmental Health ENVS 303 Introduction to Epidemiology ENVS 319 ENVS 320 Conservation Biology ENVS 321 Invasive Species ENVS 325 Sustainable Agriculture ENVS 326 Agroecosystems ENVS 327 Food Systems Analysis ENVS 330 Restoration Ecology ENVS 330 Restoration Ecology ENVS 330 Restoration and Sustainability of Neotropical ENVS 340 Natural History of Belize ENVS 345 Conservation and Sustainability of Neotropical Ecosystems ENVS 350 Solutions to Environmental Problems: Biogas ENVS 350A Solutions to Environmental Problems: Climate Action ENVS 350F Solutions to Environmental Problems: Food Systems ENVS 352 Sustainability Assessment & Reporting I ENVS 353 Sustainability Assessment & Reporting II ENVS 369 Field Ornithology ENVS 380 Introduction to Geographic Information Systems ENVS 381 Advanced GIS Applications ENVS 382 Remote Sensing ENVS 383 Introduction to Global Health ENVS 387 Principles of Ecotoxicology ENVS 388 ENVS 389 Ecological Risk Assessment ENVS 391 Environmental Internship	ENVS 226	Science & Conservation of Freshwater Ecosystems
ENVS 273 Energy and the Environment ENVS 274 Chemistry of the Natural Environment ENVS 278 Hydrology ENVS 283 Environmental Sustainability ENVS 298 Special Topics (with SES approval) ENVS 300 Introduction to Public Health ENVS 301 Environmental Health ENVS 303 Introduction to Epidemiology ENVS 319 ENVS 320 Conservation Biology ENVS 321 Invasive Species ENVS 322 Invasive Species ENVS 325 Sustainable Agriculture ENVS 326 Agroecosystems ENVS 327 Food Systems Analysis ENVS 330 Restoration Ecology ENVS 338 Climate Change and Human Health ENVS 340 Natural History of Belize ENVS 345 Conservation and Sustainability of Neotropical Ecosystems ENVS 350A Solutions to Environmental Problems: Water ENVS 350B Solutions to Environmental Problems: Biogas ENVS 350C Solutions to Environmental Problems: Climate Action ENVS 350 Sustainability Assessment & Reporting I ENVS 353 Sustainability Assessment & Reporting II ENVS 369 Field Ornithology ENVS 381 Advanced GIS Applications ENVS 382 Remote Sensing ENVS 383 Introduction to Geographic Information Systems ENVS 383 Introduction to Global Health ENVS 387 Principles of Ecotoxicology ENVS 388 ENVS 389 Ecological Risk Assessment ENVS 391 Environmental Internship	ENVS 227R	Ecology of the Mediterranean Sea
ENVS 274 Chemistry of the Natural Environment ENVS 278 Hydrology ENVS 283 Environmental Sustainability ENVS 298 Special Topics (with SES approval) ENVS 300 Introduction to Public Health ENVS 301 Environmental Health ENVS 303 Introduction to Epidemiology ENVS 319 ENVS 320 Conservation Biology ENVS 321 Invasive Species ENVS 322 Invasive Species ENVS 325 Sustainable Agriculture ENVS 326 Agroecosystems ENVS 327 Food Systems Analysis ENVS 330 Restoration Ecology ENVS 330 Restoration Ecology ENVS 331 Climate Change and Human Health ENVS 340 Natural History of Belize ENVS 345 Conservation and Sustainability of Neotropical Ecosystems ENVS 350A Solutions to Environmental Problems: Water ENVS 350B Solutions to Environmental Problems: Climate Action ENVS 350F Solutions to Environmental Problems: Food Systems ENVS 350 Sustainability Assessment & Reporting I ENVS 353 Sustainability Assessment & Reporting II ENVS 369 Field Ornithology ENVS 380 Introduction to Geographic Information Systems ENVS 381 Advanced GIS Applications ENVS 382 Remote Sensing ENVS 383 Introduction to Global Health ENVS 387 Principles of Ecotoxicology ENVS 388 ENVS 389 Ecological Risk Assessment ENVS 391 Environmental Internship	ENVS 267	Bird Conservation and Ecology
ENVS 278 Hydrology ENVS 283 Environmental Sustainability ENVS 298 Special Topics (with SES approval) ENVS 300 Introduction to Public Health ENVS 301 Environmental Health ENVS 303 Introduction to Epidemiology ENVS 319 ENVS 320 Conservation Biology ENVS 322 Invasive Species ENVS 325 Sustainable Agriculture ENVS 326 Agroecosystems ENVS 327 Food Systems Analysis ENVS 330 Restoration Ecology ENVS 330 Restoration Ecology ENVS 331 Climate Change and Human Health ENVS 340 Natural History of Belize ENVS 345 Conservation and Sustainability of Neotropical Ecosystems ENVS 350A Solutions to Environmental Problems: Water ENVS 350B Solutions to Environmental Problems: Climate Action ENVS 350F Solutions to Environmental Problems: Food Systems ENVS 350 Sustainability Assessment & Reporting I ENVS 353 Sustainability Assessment & Reporting II ENVS 369 Field Ornithology ENVS 380 Introduction to Geographic Information Systems ENVS 381 Advanced GIS Applications ENVS 382 Remote Sensing ENVS 383 Introduction to Global Health ENVS 384 Principles of Ecotoxicology ENVS 388 ENVS 389 Ecological Risk Assessment ENVS 391 Environmental Internship	ENVS 273	Energy and the Environment
ENVS 283 Environmental Sustainability ENVS 298 Special Topics (with SES approval) ENVS 300 Introduction to Public Health ENVS 301 Environmental Health ENVS 303 Introduction to Epidemiology ENVS 319 ENVS 320 Conservation Biology ENVS 322 Invasive Species ENVS 325 Sustainable Agriculture ENVS 326 Agroecosystems ENVS 327 Food Systems Analysis ENVS 330 Restoration Ecology ENVS 330 Restoration Ecology ENVS 340 Natural History of Belize ENVS 345 Conservation and Sustainability of Neotropical Ecosystems ENVS 350A Solutions to Environmental Problems: Water ENVS 350B Solutions to Environmental Problems: Climate Action ENVS 350F Solutions to Environmental Problems: Food Systems ENVS 353 Sustainability Assessment & Reporting I ENVS 353 Sustainability Assessment & Reporting II ENVS 369 Field Ornithology ENVS 380 Introduction to Geographic Information Systems ENVS 381 Advanced GIS Applications ENVS 382 Remote Sensing ENVS 385 Introduction to Global Health ENVS 387 Principles of Ecotoxicology ENVS 388 ENVS 389 Ecological Risk Assessment ENVS 389 Environmental Internship	ENVS 274	Chemistry of the Natural Environment
ENVS 298 Special Topics (with SES approval) ENVS 300 Introduction to Public Health ENVS 301 Environmental Health ENVS 303 Introduction to Epidemiology ENVS 319 ENVS 319 ENVS 320 Conservation Biology ENVS 322 Invasive Species ENVS 325 Sustainable Agriculture ENVS 326 Agroecosystems ENVS 327 Food Systems Analysis ENVS 330 Restoration Ecology ENVS 338 Climate Change and Human Health ENVS 340 Natural History of Belize ENVS 345 Conservation and Sustainability of Neotropical Ecosystems ENVS 350A Solutions to Environmental Problems: Water ENVS 350B Solutions to Environmental Problems: Climate Action ENVS 350F Solutions to Environmental Problems: Food Systems ENVS 350 Sustainability Assessment & Reporting I ENVS 353 Sustainability Assessment & Reporting II ENVS 369 Field Ornithology ENVS 380 Introduction to Geographic Information Systems ENVS 381 Advanced GIS Applications ENVS 382 Remote Sensing ENVS 385 Introduction to Global Health ENVS 387 Principles of Ecotoxicology ENVS 388 ENVS 389 Ecological Risk Assessment ENVS 389 Environmental Internship	ENVS 278	Hydrology
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ENVS 382 Remote Sensing ENVS 385 Introduction to Global Health ENVS 387 Principles of Ecotoxicology ENVS 388 ENVS 389 Ecological Risk Assessment ENVS 391 Environmental Research ENVS 395 Environmental Internship	ENVS 380	Introduction to Geographic Information Systems
ENVS 385 Introduction to Global Health ENVS 387 Principles of Ecotoxicology ENVS 388 ENVS 389 Ecological Risk Assessment ENVS 391 Environmental Research ENVS 395 Environmental Internship	ENVS 381	Advanced GIS Applications
ENVS 387 Principles of Ecotoxicology ENVS 388 ENVS 389 Ecological Risk Assessment ENVS 391 Environmental Research ENVS 395 Environmental Internship	ENVS 382	Remote Sensing
ENVS 388 ENVS 389 Ecological Risk Assessment ENVS 391 Environmental Research ENVS 395 Environmental Internship	ENVS 385	Introduction to Global Health
ENVS 389 Ecological Risk Assessment ENVS 391 Environmental Research ENVS 395 Environmental Internship	ENVS 387	Principles of Ecotoxicology
ENVS 391 Environmental Research ENVS 395 Environmental Internship	ENVS 388	
ENVS 391 Environmental Research ENVS 395 Environmental Internship	ENVS 389	Ecological Risk Assessment
	ENVS 391	Environmental Research
	ENVS 395	Environmental Internship
	ENVS 398	Special Topics (with SES approval)
ENVS 399 Directed Readings	ENVS 399	
ANTH 104 The Human Ecological Footprint		-
ANTH 303 People and Conservation	ANTH 303	
List B	List B	

Tc	otal Hours		21
	BIOL, CHEM, PI	HYS 300-level courses (with SES approval)	
	SOCL 302	Qualitative Research	
	SOCL 206	Principles of Social Research	
	MARK 320	Marketing for Environmental Sustainability	
	COMM 363	Research Methods in Advertising/Public Relations	
	COMM 277	Organizational Communication	
	COMM 234	Interviewing for Communication	
	COMM 231	Conflict Management and Communication	
	ANTH 317	Ethnographic Methods	
	ENVS 399	Directed Readings	
	ENVS 398	Special Topics (with SES approval)	
	ENVS 395	Environmental Internship	
	ENVS 391	Environmental Research	
	ENVS 388		
	ENVS 384	Conservation Economics	
	ENVS 383	Human Dimensions of Conservation	
	ENVS 364		
	ENVS 363	Sustainable Business Management	
	ENVS 354	Sustainability Plan Development & Reporting	
	ENVS 336	Design for Circular & Sustainable Business	
	ENVS 335	Ecological Economics	
	ENVS 333	Introduction to the Circular Economy	
	ENVS 332		
	ENVS 313	Energy Law & Policy	
	ENVS 312	Water Law & Policy	
	ENVS 311	Natural Resources and Land Use Law & Policy	
	ENVS 310	Introduction to Environmental Law & Policy	
	ENVS 298	Special Topics (with SES approval)	
	ENVS 297	North American Environmental History	
	ENVS 279	Climate and History	
	COMM 260	Environmental Journalism	

MS Electives

Code	Title	Hours
Natural Science a	and Quantitative Courses	6
Students will take electives.	e at least two courses from the following list of	
ENVS 420	Conservation Biology	
ENVS 422	Invasive Species	
ENVS 425	Sustainable Agriculture	
ENVS 426	Agroecosystems	
ENVS 427	Food Systems Analysis	
ENVS 430	Restoration Ecology	
ENVS 435	Ecological Economics	
ENVS 438	Climate Change and Human Health	
ENVS 451	Introduction to Sustainability Concepts & Impac	ets
ENVS 452	Sustainability Assessment & Reporting I	
ENVS 453	Sustainability Assessment & Reporting II	
ENVS 480	Introduction to Geographic Information Systems	S
ENVS 481	Advanced GIS Applications	
ENVS 482	Remote Sensing	

ENVS 484 Conservation Economics ENVS 487 Principles of Ecotoxicology ENVS 488 Ecological Risk Assessment ENVS 491 Independent Environmental Research (upon approval) ENVS 498 Special Topics (upon approval) ENVS 498 Special Topics (upon approval) ENVS 498 Special Topics with Lab (upon approval) ENVS 499 Directed Readings (upon approval) BIOL 495 Special Topics BIOL 416 Limnology Lec/Lab BIOL 418 Aquatic Insects Lecture & Laboratory BIOL 470 Biostats & Exp Design Lec/Lab MPBH 401 Environmental Health MPBH 402 Public Health Practice and Management MPBH 403 Introduction to Epidemiology MPBH 404 Biostatistics for Health and Biological Science MPBH 407 Public Health Policy. Concepts and Practice MPBH 410 Intro to Statistical Computing for Public Health MPBH 411 Intro to Statistics I MPBH 412 Biostatistics II MPBH 423 Intermediate Epidemiology MPP 401 Analytical Tools in Public Policy MPP 402 Cost Benefit Analysis MPP 403 Public Budget and Finance MPP 405 Statistical Methods & Analysis for Public Policy II MPP 408 Political Feasibility Analysis SOCL 414 Statistical Methods Analysis I SOCL 415 Statistical Methods Analysis II STAT 403 SAS Program & Applied Statistics STAT 407 Statistical Methods on Society's interaction with the environment environmental law and policy, sustainable business management, and fostering sustainable societies. ENVS 410 Introduction to Environmental Law & Policy ENVS 411 Natural Resources and Land Use Law & Policy ENVS 412 Water Law & Policy ENVS 433 Introduction to the Circular Economy ENVS 434 Energy Law & Policy ENVS 435 Energy Law & Policy ENVS 436 Design for Circular & Sustainable Business ENVS 454 Sustainability Plan Development & Reporting ENVS 464 ENVS 483 Human Dimensions of Conservation		
ENVS 489 Ecological Risk Assessment ENVS 491 Independent Environmental Research (upon approval) ENVS 498 Special Topics (upon approval) ENVS 498 Special Topics with Lab (upon approval) ENVS 499 Directed Readings (upon approval) BIOL 495 Special Topics BIOL 416 Limnology Lee/Lab BIOL 417 Biostats & Exp Design Lee/Lab MPBH 401 Environmental Health MPBH 402 Public Health Practice and Management MPBH 403 Introduction to Epidemiology MPBH 404 Biostatistics for Health and Biological Science MPBH 407 Public Health Policy: Concepts and Practice MPBH 409 Biostatistics I MPBH 412 Intro to Statistical Computing for Public Health MPBH 421 Biostatistics II MPBH 421 Biostatistics II MPBH 422 Intermediate Epidemiology MPP 401 Analytical Tools in Public Policy MPP 402 Cost Benefit Analysis MPP 405 Statistical Methods & Analysis for Public Policy II MPP 406 Statistical Methods & Analysis Public Policy II MPP 408 Political Feasibility Analysis SOCL 414 Statistical Methods & Analysis II STAT 403 SAS Program & Applied Statistics STAT 407 Statistical Design STAT 436 Topics in Biostatistics Sustainable Society and Business Courses Student may choose from courses focused on society's interaction with the environment: environmental Law & Policy ENVS 410 Introduction to the Circular Economy ENVS 431 Energy Law & Policy ENVS 411 Natural Resources and Land Use Law & Policy ENVS 432 ENVS 433 Introduction to the Circular Economy ENVS 436 Sustainable Business Management ENVS 464	ENVS 484	Conservation Economics
ENVS 489 Ecological Risk Assessment ENVS 491 Independent Environmental Research (upon approval) ENVS 498 Special Topics (upon approval) ENVS 498 Special Topics with Lab (upon approval) ENVS 499 Directed Readings (upon approval) BIOL 495 Special Topics BIOL 416 Limnology Lec/Lab BIOL 418 Aquatic Insects Lecture & Laboratory BIOL 470 Biostats & Exp Design Lec/Lab MPBH 401 Environmental Health MPBH 402 Public Health Practice and Management MPBH 403 Introduction to Epidemiology MPBH 404 Biostatistics for Health and Biological Science MPBH 407 Public Health Policy. Concepts and Practice MPBH 409 Biostatistics I MPBH 412 Intro to Statistical Computing for Public Health MPBH 413 Intermediate Epidemiology MPP 401 Analytical Tools in Public Policy MPP 401 Analytical Tools in Public Policy MPP 402 Cost Benefit Analysis MPP 403 Public Budget and Finance MPP 405 Statistical Methods & Analysis for Public Policy I MPP 406 Statistical Methods & Analysis Public Policy II MPP 408 Political Feasibility Analysis SOCL 414 Statistical Methods of Analysis I SOCL 415 Statistical Methods of Analysis I SOCL 415 Statistical Methods of Analysis I SOCL 415 Statistical Methods of Analysis II STAT 403 SAS Program & Applied Statistics STAT 407 Statistical Design STAT 407 Statistical Design STAT 408 Topics in Biostatistics SUSTAT 409 Introduction to Environmental Law & Policy ENVS 410 Introduction to Environmental Law & Policy ENVS 411 Natural Resources and Land Use Law & Policy ENVS 412 Water Law & Policy ENVS 413 Energy Law & Policy ENVS 433 Introduction to the Circular Economy ENVS 436 Design for Circular & Sustainable Business ENVS 454 Sustainability Plan Development & Reporting ENVS 463 ENVS 464	ENVS 487	Principles of Ecotoxicology
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MPBH 402 Public Health Practice and Management MPBH 403 Introduction to Epidemiology MPBH 404 Biostatistics for Health and Biological Science MPBH 407 Public Health Policy. Concepts and Practice MPBH 409 Biostatistics I MPBH 412 Intro to Statistical Computing for Public Health MPBH 414 Introduction to Global Health MPBH 421 Biostatistics II MPBH 423 Intermediate Epidemiology MPP 401 Analytical Tools in Public Policy MPP 402 Cost Benefit Analysis MPP 403 Public Budget and Finance MPP 405 Statistical Methods & Analysis for Public Policy I MPP 406 Statistical Methods & Analysis Public Policy II MPP 408 Political Feasibility Analysis SOCL 414 Statistical Methods of Analysis II SOCL 415 Statistical Methods of Analysis II STAT 403 SAS Program & Applied Statistics STAT 407 Statistical Design STAT 436 Topics in Biostatistics Sustainable Society and Business Courses Student may choose from courses focused on society's interaction with the environment: environmental law and policy, sustainable business management, and fostering sustainable societies. ENVS 410 Introduction to Environmental Law & Policy ENVS 411 Natural Resources and Land Use Law & Policy ENVS 412 Water Law & Policy ENVS 413 Energy Law & Policy ENVS 433 Introduction to the Circular Economy ENVS 436 Design for Circular & Sustainable Business ENVS 454 Sustainability Plan Development & Reporting ENVS 463 Sustainable Business Management ENVS 464	BIOL 470	Biostats & Exp Design Lec/Lab
MPBH 403 Introduction to Epidemiology MPBH 404 Biostatistics for Health and Biological Science MPBH 407 Public Health Policy: Concepts and Practice MPBH 409 Biostatistics I MPBH 412 Intro to Statistical Computing for Public Health MPBH 414 Introduction to Global Health MPBH 421 Biostatistics II MPBH 423 Intermediate Epidemiology MPP 401 Analytical Tools in Public Policy MPP 402 Cost Benefit Analysis MPP 403 Public Budget and Finance MPP 405 Statistical Methods & Analysis for Public Policy I MPP 406 Statistical Methods & Analysis Public Policy II MPP 408 Political Feasibility Analysis SOCL 414 Statistical Methods of Analysis II SOCL 415 Statistical Methods of Analysis II STAT 403 SAS Program & Applied Statistics STAT 407 Statistical Design STAT 436 Topics in Biostatistics Sustainable Society and Business Courses Student may choose from courses focused on society's interaction with the environment: environmental law and policy, sustainable business management, and fostering sustainable societies. ENVS 410 Introduction to Environmental Law & Policy ENVS 411 Natural Resources and Land Use Law & Policy ENVS 412 Water Law & Policy ENVS 413 Energy Law & Policy ENVS 433 Introduction to the Circular Economy ENVS 436 Design for Circular & Sustainable Business ENVS 454 Sustainability Plan Development & Reporting ENVS 463 Sustainable Business Management ENVS 464	MPBH 401	Environmental Health
MPBH 404 Biostatistics for Health and Biological Science MPBH 407 Public Health Policy: Concepts and Practice MPBH 409 Biostatistics I MPBH 412 Intro to Statistical Computing for Public Health MPBH 414 Introduction to Global Health MPBH 421 Biostatistics II MPBH 423 Intermediate Epidemiology MPP 401 Analytical Tools in Public Policy MPP 402 Cost Benefit Analysis MPP 403 Public Budget and Finance MPP 405 Statistical Methods & Analysis for Public Policy I MPP 406 Statistical Methods & Analysis Public Policy II MPP 408 Political Feasibility Analysis SOCL 414 Statistical Methods Analysis I SOCL 415 Statistical Methods of Analysis II STAT 403 SAS Program & Applied Statistics STAT 407 Statistical Design STAT 436 Topics in Biostatistics Sustainable Society and Business Courses Student may choose from courses focused on society's interaction with the environment: environmental law and policy, sustainable business management, and fostering sustainable societies. ENVS 410 Introduction to Environmental Law & Policy ENVS 411 Natural Resources and Land Use Law & Policy ENVS 412 Water Law & Policy ENVS 433 Introduction to the Circular Economy ENVS 436 Design for Circular & Sustainable Business ENVS 454 Sustainability Plan Development & Reporting ENVS 463 Sustainable Business Management ENVS 464	MPBH 402	Public Health Practice and Management
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ENVS 454 Sustainability Plan Development & Reporting ENVS 463 Sustainable Business Management ENVS 464	ENVS 433	Introduction to the Circular Economy
ENVS 463 Sustainable Business Management ENVS 464	ENVS 436	-
ENVS 464	ENVS 454	Sustainability Plan Development & Reporting
	ENVS 463	Sustainable Business Management
ENVS 483 Human Dimensions of Conservation	ENVS 464	
	ENVS 483	
ENVS 491 Independent Environmental Research (upon approval)	ENVS 491	
ENVS 498 Special Topics (upon approval)	ENVS 498	Special Topics (upon approval)
ENVS 499 Directed Readings (upon approval)	ENVS 499	Directed Readings (upon approval)

MPBH 407	Public Health Policy: Concepts and Practice
MPP 400	Policy Design and Analysis
MPP 404	Public Policy Process
PSYC 460	Social Psychological Theory
PSYC 461	Attitude and Attitude Change
PSYC 486	Methods of Program Evaluation
SOCL 412	Qualitative Methods in Social Research
SOCL 446	Knowledge, Power & Expertise
SOCL 463	Sociology & Natural Environment

Suggested Sequence of Courses - Research Track		
Course	Title	Hours
Year One		
Fall		
ENVS 137	Foundations of Environmental Science I	3
	Hours	3
Spring		
ENVS 203	Environmental Statistics	3
ENVS 237	Foundations of Environmental Chemistry	3
ENVS 238	Foundations of Environmental Science Lab	1
Justice & Ethics Cho	pice	3
	Hours	10
Year Two		
Fall		
ENVS 200	Environmental Careers and Professional Skills	1
ENVS 280	Principles of Ecology	3
ENVS 286	Principles of Ecology Lab	1
	Hours	5
Spring		
Environmental Scien	nce Elective List A	3
	Hours	3
Year Three		
Fall		
Society, Ethics, & Ju	stice Elective	3
	Hours	3
Spring		
PLSC 392	Environmental Politics	3
Society, Ethics, & Ju	stice Elective	3
	Hours	6
Year Four		
Fall		
ENVS 335	Ecological Economics	3
or ECON 328	or Environmental Economics	
Engaged Learning C	hoice	3

Sustainable Systems - Social Science

Perspectives 400 Level Environmental Science Elective List A or B

Hours

3

3 12

3

3

ENVS 402

Spring

Capstone Choice

Methods & Analysis Elective

ENVS 401	Sustainable Systems - Natural Science Perspectives	3
400 Level Policy	, Economics, & Resource Management Elective	3
	Hours	12
Year Five		
Fall		
ENVS 496	Research	3-12
400 Level Enviro	nmental Elective	3
400 Level Environmental Elective		3
	Hours	9
Spring		
ENVS 401	Sustainable Systems - Natural Science Perspectives	3
400 Level Environmental Elective		3
400 Level Required Concentration Course		3
	Hours	9
	Total Hours	72

Guidelines for Accelerated Bachelor's/ Master's Programs

Terms

- Accelerated Bachelor's/Master's programs: In this type of program, students share limited credits between their undergraduate and graduate degrees to facilitate completion of both degrees.
- Shared credits: Graduate level credit hours taken during the undergraduate program and then applied towards graduate program requirements will be referred to as shared credits.

Admission Requirements

Accelerated Bachelor's/Master's programs are designed to enhance opportunities for advanced training for Loyola's undergraduates. Admission to these programs must be competitive and will depend upon a positive review of credentials by the program's admissions committee. Accordingly, the admission requirements for these programs may be higher than those required if the master's degree were pursued entirely after the receipt of a bachelor's degree. That is, programs may choose to have more stringent admissions requirements in addition to those minimal requirements below.

Requirements:

- Declared appropriate undergraduate major,
- By the time students begin taking graduate courses as an undergraduate, the student has completed approximately 90 credit hours, or the credit hours required in a program that is accredited by a specialty organization,¹
- A minimum cumulative GPA for coursework at Loyola that is at or above the program-specific requirements, a minimum major GPA that is at or above the program-specific requirements, and/or appropriate designated coursework for evaluation of student readiness in their discipline.²

Students not eligible for the Accelerated Bachelor's/Master's program (e.g., students who have not declared the appropriate undergraduate major) may apply to the master's program through the regular admissions process. Students enrolled in an Accelerated Bachelor's/Master's

program who choose not to continue to the master's degree program upon completion of the bachelor's degree will face no consequences.³

Ideally, a student will apply for admission (or confirm interest in proceeding towards the graduate degree in opt-out programs) as they approach 90 credit hours. Programs are encouraged to begin advising students early in their major so that they are aware of the program and, if interested, can complete their bachelor's degree requirements in a way that facilitates completion of the program. Once admitted as an undergraduate, Program Directors should ensure that students are enrolled using the plan code associated with the Accelerated Bachelor's/ Master's program. Using the plan code associated with the Accelerated Bachelor's/Master's program will ensure that students may be easily identified as they move through the program. Students will not officially matriculate into the master's degree program and be labeled as a graduate student by the university, with accompanying changes to tuition and Financial Aid (see below), until the undergraduate degree has been awarded. Once admitted to the graduate program, students must meet the academic standing requirements of their graduate program as they complete the program curriculum.

- Programs that have specialized accreditation will adhere to the admissions criteria provided by, or approved by, their specialized accreditors.
- The program will identify appropriate indicators of student readiness for graduate coursework (e.g., high-level performance in 300 level courses). Recognizing differences between how majors are designed, we do not specify a blanket requirement.
- ³ If students choose not to enroll in the Accelerated Bachelor's/Master's program, they still must complete all of the standard requirements associated with the undergraduate degree (e.g., a capstone).

For more information on Admissions requirements, visit here (https://gpem.luc.edu/portal/admission/?tab=home).

Curriculum

Level and progression of courses. The Accelerated Bachelor's/Master's programs are designed to be competitive and attractive to our most capable students. Students admitted to Accelerated Bachelor's/ Master's programs should be capable of meeting graduate level learning outcomes. Following guidance from the Higher Learning Commission, only courses taken at the 400 level or higher (including 300/400 level courses taken at the 400 level) will count toward the graduate program. ^{1,2} Up to 50% of the total graduate level credit hours, required in the graduate program, may come from 300/400 level courses where the student is enrolled in the 400 level of the course. Further, at least 50% of the credit hours for the graduate program must come from courses that are designed for and restricted to graduate students who have been admitted to a graduate program at Loyola (e.g., enrolled in plan code that indicates the Accelerated Bachelor's/Master's program, typically ending with the letter "D"). ³

In general, graduate level coursework should not be taken prior to admission into the Accelerated Bachelor's/Master's program. Exceptions may be granted for professional programs where curriculum for the Accelerated Bachelor's/Master's program is designed to begin earlier. On the recommendation of the program's Graduate Director, students may take one of their graduate level courses before they are admitted to the Accelerated Bachelors/Master's program if they have advanced abilities in their discipline and course offerings warrant such an exception. 4

Undergraduate degree requirements outside of the major are in no way impacted by admission to an Accelerated Bachelor's/Master's program.⁵

Shared credits. Undergraduate courses (i.e., courses offered at the 300 level or below) cannot be counted as shared credits nor count towards the master's degree. Up to 50% of the total graduate level credit hours, required in the graduate program, may be counted in meeting both the undergraduate and graduate degree requirements. Of those shared credits, students in an Accelerated Bachelor's/Master's program should begin their graduate program with the standard introductory course(s) for the program whenever possible. So that students may progress through the Accelerated Bachelor's/Master's program in a timely manner, undergraduate programs are encouraged to design their curriculum such that a student can complete some required graduate credit hours while completing the undergraduate degree. For instance, some of the graduate curriculum should also satisfy electives for the undergraduate major.

The program's Graduate Director will designate credit hours to be shared through the advising form and master's degree conferral review process. Shared credit hours will not be marked on the undergraduate record as having a special status in the undergraduate program. They will be included in the student's undergraduate earned hours and GPA. Graduate credit hours taken during the undergraduate program will not be included in the graduate GPA calculation.

- If students wish to transfer credits from another university to Loyola University Chicago, the program's Graduate director will review the relevant syllabus(es) to determine whether it meets the criteria for a 400 level course or higher.
- Programs with specialized accreditation requirements that allow programs to offer graduate curriculum to undergraduate students will conform to those specialized accreditation requirements.
- In rare cases, the Graduate Director may authorize enrollment in a 400-level course for a highly qualified and highly motivated undergraduate, ensuring that the undergraduate's exceptional participation in the graduate class will not diminish in any way the experience of the graduate students regularly enrolled.
- For example, if a particular course is only offered once every 2-3 years, and a student has demonstrated the necessary ability to be successful, the Graduate Director may allow a student to take a graduate level course to be shared prior to the student being formally admitted to the graduate program. See, also, footnote 3.
- Students should not, for example, attempt to negotiate themselves out of a writing intensive requirement on the basis of admission to a graduate program.

Graduation

Degrees are awarded sequentially. All details of undergraduate commencement are handled in the ordinary way as for all students in the School/College/Institute. Once in the graduate program, students abide by the graduation deadlines set forth by the graduate program. Students in these programs must be continuously enrolled from undergraduate to graduate degree program unless given explicit permission by their program for a gap year or approved leave of absence. In offering the option of an Accelerated Bachelor's/Master's program, the university is making possible the acceleration of a student's graduate degree completion. It should be understood that students may not request deferral of their matriculation into the Master's degree program. If students would like to delay their graduate studies after earning the undergraduate degree, they may apply for admission to the traditional master's degree program. Any application of graduate credit earned while

in the undergraduate program is subject to the policies of the graduate degree granting school.

Learning Outcomes

- Demonstrate an understanding of scientific, social, and humanistic approaches to environmental questions. [BA]
- Appraise the interactions and synergies between the natural world, social systems, and human cultures. [BA]
- Advance environmental and social sustainability that integrates scientific research, social analysis, and cultural awareness. [BA]
- Engaged actions of self-awareness and social solidarity that reflect a commitment to integral ecology. [BA]
- Deepen your understanding of complex socio-ecological systems and their connection with sustainable development goals. [MS]
- Increase your ability to make accurate and ethical evidence-based decisions from scientific literature. [MS]
- Expand your capacity to communicate environmental science and sustainability issues to the scientific community, professional colleagues, policy makers, and the general public. [MS]
- Demonstrate competence of in-depth knowledge and skills through completion of an original research project and thesis. [MS]

SES Shared Learning Outcomes

All SES majors share the following Program Learning Objectives, in addition to their unique major-specific Program Learning Objectives:

- 1. Articulate the foundational principles of natural and social sciences and humanities essential to solving environmental problems.
- 2. Critically evaluate the accuracy and credibility of information relating to environmental topics.
- 3. Employ knowledge and skills to design and implement solutions that contribute to a just and sustainable world.
- 4. Exemplify the values of environmental and social justice through actions to care for our common home and one another.