## **ENVIRONMENTAL SCIENCE: CONSERVATION AND RESTORATION ECOLOGY/ DIGITAL MEDIA AND** STORYTELLING (BS/MC)

The new Accelerated Bachelor's/Master's (ABM) program allows SES students to earn their undergraduate degree in their declared major, while also earning a master's degree from the SOC in either the Digital Media and Storytelling or Global Strategic Communication graduate programs.

The program trains environmental scientists to be better communicators. While environmental scientists are trained to investigate, analyze data, and interpret results, they are not taught how to communicate their results and conclusions in ways that are readily accessible to the general public, CEOs, or legislators. For students in the School of Environmental Sustainability, the ABM program will help them with writing, public speaking, conference presentations, television and radio interviews, and social media messaging.

### CURRICULUM

Code	Title	Hours
BS Requirements		
Core Curriculum		
ENVS 137	Foundations of Environmental Science I	3
BIOL 101	General Biology I	3
BIOL 111	General Biology I Lab	1
CHEM 160	Chemical Structure and Properties	3
CHEM 161	Chemical Structure and Properties Laboratory	1
BIOL 102	General Biology II	3
BIOL 112	General Biology II Lab	1
CHEM 180	Chemical Reactivity I	3
CHEM 181	Chemical Reactivity I Lab	1
ENVS 200	Environmental Careers and Professional Skills	1
ENVS 203	Environmental Statistics	3
ENVS 274	Chemistry of the Environment	3
ENVS 275	Chemistry of the Environment Lab	1
ENVS 280	Principles of Ecology	3
ENVS 286S	Principles of Ecology Lab	1
PLSC 392	Environmental Politics	3
ENVS 218	Biodiversity & Biogeography	3
ENVS 320	Conservation Biology	3
ENVS 321	Conservation Biology Lab	1
ENVS 330	Restoration Ecology	3
ENVS 331	Restoration Ecology Lab	1
ENVS 383	Human Dimensions of Conservation	3
Justice and Ethics	Choice	
Select one of the	following:	3
ENVS 284	Environmental Justice	
PHIL 287	Environmental Ethics	
THEO 204	Religious Ethics and the Ecological Crisis	

Economics Choice	e	
ENVS 335	Ecological Economics	3
or ECON 328	Environmental Economics	
Engaged Learning	g Choice	
Select one of the	following:	3
ENVS 226	Science & Conservation of Freshwater Ecosystem	S
ENVS 267	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)	
BS Electives		9
See designated e	elective categories below	
MComm Require	ments	
-		
COMM 400	Designing for Digital Environments	3
COMM 405	Story Development and Production	3
COMM 405 COMM 410	Story Development and Production Media Law for Inclusive Digital Storytelling	3 3
COMM 405 COMM 410 COMM 415	Story Development and Production  Media Law for Inclusive Digital Storytelling  Data-Powered Digital Storytelling	3 3 3
COMM 405 COMM 410 COMM 415 COMM 420	Story Development and Production  Media Law for Inclusive Digital Storytelling  Data-Powered Digital Storytelling  Digital Production: Storytelling with Impact	3 3 3
COMM 405 COMM 410 COMM 415 COMM 420 COMM 425	Story Development and Production  Media Law for Inclusive Digital Storytelling  Data-Powered Digital Storytelling  Digital Production: Storytelling with Impact  Digital Marketing and Analytics	3 3 3 3
COMM 405 COMM 410 COMM 415 COMM 420 COMM 425 COMM 430	Story Development and Production Media Law for Inclusive Digital Storytelling Data-Powered Digital Storytelling Digital Production: Storytelling with Impact Digital Marketing and Analytics 2D Design for Print and the Web	3 3 3 3 3
COMM 405 COMM 410 COMM 415 COMM 420 COMM 425 COMM 430 COMM 450	Story Development and Production Media Law for Inclusive Digital Storytelling Data-Powered Digital Storytelling Digital Production: Storytelling with Impact Digital Marketing and Analytics 2D Design for Print and the Web Capstone II	3 3 3 3 3 3
COMM 405 COMM 410 COMM 415 COMM 420 COMM 425 COMM 430 COMM 450 Elective Courses	Story Development and Production Media Law for Inclusive Digital Storytelling Data-Powered Digital Storytelling Digital Production: Storytelling with Impact Digital Marketing and Analytics 2D Design for Print and the Web	3 3 3 3 3 3 12
COMM 405 COMM 410 COMM 415 COMM 420 COMM 425 COMM 430 COMM 450 Elective Courses Total Hours	Story Development and Production Media Law for Inclusive Digital Storytelling Data-Powered Digital Storytelling Digital Production: Storytelling with Impact Digital Marketing and Analytics 2D Design for Print and the Web Capstone II	3 3 3 3 3 3 12
COMM 405 COMM 410 COMM 415 COMM 420 COMM 425 COMM 430 COMM 450 Elective Courses Total Hours  BS Electives	Story Development and Production Media Law for Inclusive Digital Storytelling Data-Powered Digital Storytelling Digital Production: Storytelling with Impact Digital Marketing and Analytics 2D Design for Print and the Web Capstone II from List of Electives for DMST	3 3 3 3 3 3 12
COMM 405 COMM 410 COMM 415 COMM 420 COMM 425 COMM 430 COMM 450 Elective Courses Total Hours  BS Electives Code	Story Development and Production  Media Law for Inclusive Digital Storytelling Data-Powered Digital Storytelling Digital Production: Storytelling with Impact Digital Marketing and Analytics 2D Design for Print and the Web Capstone II from List of Electives for DMST	3 3 3 3 3 3 12
COMM 405 COMM 410 COMM 415 COMM 420 COMM 425 COMM 430 COMM 450 Elective Courses Total Hours  BS Electives Code Society, Ethics, a	Story Development and Production  Media Law for Inclusive Digital Storytelling Data-Powered Digital Storytelling Digital Production: Storytelling with Impact Digital Marketing and Analytics 2D Design for Print and the Web Capstone II from List of Electives for DMST  Title and Justice	3 3 3 3 3 12 105
COMM 405 COMM 410 COMM 415 COMM 420 COMM 425 COMM 430 COMM 450 Elective Courses Total Hours  BS Electives Code Society, Ethics, a Select one of the	Story Development and Production  Media Law for Inclusive Digital Storytelling Data-Powered Digital Storytelling Digital Production: Storytelling with Impact Digital Marketing and Analytics 2D Design for Print and the Web Capstone II from List of Electives for DMST  Title Ind Justice Following:	3 3 3 3 3 3 12
COMM 405 COMM 410 COMM 415 COMM 420 COMM 425 COMM 430 COMM 450 Elective Courses Total Hours  BS Electives Code Society, Ethics, a Select one of the COMM 260	Story Development and Production  Media Law for Inclusive Digital Storytelling Data-Powered Digital Storytelling Digital Production: Storytelling with Impact Digital Marketing and Analytics 2D Design for Print and the Web Capstone II from List of Electives for DMST  Title and Justice following: Environmental Journalism	3 3 3 3 3 12 105
COMM 405 COMM 410 COMM 415 COMM 420 COMM 425 COMM 430 COMM 450 Elective Courses Total Hours  BS Electives Code Society, Ethics, a Select one of the COMM 260 ENVS 204	Story Development and Production  Media Law for Inclusive Digital Storytelling Data-Powered Digital Storytelling Digital Production: Storytelling with Impact Digital Marketing and Analytics 2D Design for Print and the Web Capstone II from List of Electives for DMST  Title and Justice following: Environmental Journalism Gender, Health & Environment	3 3 3 3 3 12 105
COMM 405 COMM 410 COMM 415 COMM 420 COMM 425 COMM 425 COMM 450 Elective Courses Total Hours  BS Electives Code Society, Ethics, a Select one of the COMM 260 ENVS 204 ENVS 279 / HIST 279E	Story Development and Production  Media Law for Inclusive Digital Storytelling Data-Powered Digital Storytelling Digital Production: Storytelling with Impact Digital Marketing and Analytics 2D Design for Print and the Web Capstone II from List of Electives for DMST  Title and Justice of following: Environmental Journalism Gender, Health & Environment Climate and History	3 3 3 3 3 12 105
COMM 405 COMM 410 COMM 415 COMM 420 COMM 425 COMM 425 COMM 450 Elective Courses Total Hours  BS Electives Code Society, Ethics, a Select one of the COMM 260 ENVS 204 ENVS 279 / HIST 279E ENVS 284	Story Development and Production  Media Law for Inclusive Digital Storytelling Data-Powered Digital Storytelling Digital Production: Storytelling with Impact Digital Marketing and Analytics 2D Design for Print and the Web Capstone II from List of Electives for DMST  Title and Justice following: Environmental Journalism Gender, Health & Environment Climate and History  Environmental Justice	3 3 3 3 3 12 105
COMM 405 COMM 410 COMM 415 COMM 420 COMM 425 COMM 425 COMM 450 Elective Courses Total Hours  BS Electives Code Society, Ethics, a Select one of the COMM 260 ENVS 204 ENVS 279 / HIST 279E	Story Development and Production  Media Law for Inclusive Digital Storytelling Data-Powered Digital Storytelling Digital Production: Storytelling with Impact Digital Marketing and Analytics 2D Design for Print and the Web Capstone II from List of Electives for DMST  Title and Justice of following: Environmental Journalism Gender, Health & Environment Climate and History	3 3 3 3 3 12 105
COMM 405 COMM 410 COMM 415 COMM 420 COMM 425 COMM 425 COMM 450 Elective Courses Total Hours  BS Electives Code Society, Ethics, a Select one of the COMM 260 ENVS 204 ENVS 279 / HIST 279E ENVS 284 ENVS 297 /	Story Development and Production  Media Law for Inclusive Digital Storytelling Data-Powered Digital Storytelling Digital Production: Storytelling with Impact Digital Marketing and Analytics 2D Design for Print and the Web Capstone II from List of Electives for DMST  Title and Justice following: Environmental Journalism Gender, Health & Environment Climate and History  Environmental Justice	3 3 3 3 3 12 105
COMM 405 COMM 410 COMM 415 COMM 420 COMM 425 COMM 425 COMM 430 COMM 450 Elective Courses Total Hours  BS Electives Code Society, Ethics, a Select one of the COMM 260 ENVS 204 ENVS 204 ENVS 279 / HIST 279E ENVS 284 ENVS 297 / HIST 297E	Story Development and Production Media Law for Inclusive Digital Storytelling Data-Powered Digital Storytelling Digital Production: Storytelling with Impact Digital Marketing and Analytics 2D Design for Print and the Web Capstone II from List of Electives for DMST  Title and Justice following: Environmental Journalism Gender, Health & Environment Climate and History  Environmental Justice North American Environmental History	3 3 3 3 3 12 105

	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 (with SES approval)	
	ENVS 395	Environmental Internship (with SES approval)	
	ENVS 398	Special Topics (with SES approval)	
	ENVS 399	Directed Readings (with SES approval)	
	COMM 101	Public Speaking & Critical Thinking	
	COMM 277	Organizational Communication	
	COMM 306	Environmental Advocacy	
	COMM 322	Guerilla Media	
	COMM 379	Digital Sustainability	
	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	
Po	olicy, Economics	s, and Resource Management	
Se	elect one of the	following:	3
	ENVS 298	Special Topics (with SES approval)	
	ENVS 300	Introduction to Public Health	
	ENVS 300 ENVS 310	Introduction to Public Health Introduction to Environmental Law & Policy	
	ENVS 310	Introduction to Environmental Law & Policy	
	ENVS 310 ENVS 311	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy	
	ENVS 310 ENVS 311 ENVS 312	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313 ENVS 327	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Food Systems Analysis	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313 ENVS 327 ENVS 332	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Food Systems Analysis Industrial Ecology	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313 ENVS 327 ENVS 332 ENVS 333	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Food Systems Analysis Industrial Ecology Introduction to the Circular Economy	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313 ENVS 327 ENVS 332 ENVS 333 ENVS 335	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Food Systems Analysis Industrial Ecology Introduction to the Circular Economy Ecological Economics	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313 ENVS 327 ENVS 332 ENVS 333 ENVS 335 ENVS 336	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Food Systems Analysis Industrial Ecology Introduction to the Circular Economy Ecological Economics Design for Circular & Sustainable Business	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313 ENVS 327 ENVS 332 ENVS 333 ENVS 335 ENVS 336 ENVS 338	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Food Systems Analysis Industrial Ecology Introduction to the Circular Economy Ecological Economics Design for Circular & Sustainable Business Climate Change and Human Health	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313 ENVS 327 ENVS 332 ENVS 333 ENVS 335 ENVS 336 ENVS 338 ENVS 338	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Food Systems Analysis Industrial Ecology Introduction to the Circular Economy Ecological Economics Design for Circular & Sustainable Business Climate Change and Human Health Sustainable Business Management	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313 ENVS 327 ENVS 332 ENVS 333 ENVS 335 ENVS 336 ENVS 338 ENVS 363 ENVS 364	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Food Systems Analysis Industrial Ecology Introduction to the Circular Economy Ecological Economics Design for Circular & Sustainable Business Climate Change and Human Health Sustainable Business Management Sustainability Management in the Global Context	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313 ENVS 327 ENVS 332 ENVS 333 ENVS 335 ENVS 336 ENVS 338 ENVS 363 ENVS 364 ENVS 383	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Food Systems Analysis Industrial Ecology Introduction to the Circular Economy Ecological Economics Design for Circular & Sustainable Business Climate Change and Human Health Sustainable Business Management Sustainability Management in the Global Context Human Dimensions of Conservation	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313 ENVS 327 ENVS 332 ENVS 333 ENVS 335 ENVS 336 ENVS 336 ENVS 363 ENVS 363 ENVS 364 ENVS 383 ENVS 383 ENVS 383	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Food Systems Analysis Industrial Ecology Introduction to the Circular Economy Ecological Economics Design for Circular & Sustainable Business Climate Change and Human Health Sustainable Business Management Sustainability Management in the Global Context Human Dimensions of Conservation Conservation Economics	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313 ENVS 327 ENVS 332 ENVS 333 ENVS 335 ENVS 336 ENVS 336 ENVS 363 ENVS 364 ENVS 383 ENVS 384 ENVS 389	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Food Systems Analysis Industrial Ecology Introduction to the Circular Economy Ecological Economics Design for Circular & Sustainable Business Climate Change and Human Health Sustainable Business Management Sustainability Management in the Global Context Human Dimensions of Conservation Conservation Economics Ecological Risk Assessment	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313 ENVS 327 ENVS 332 ENVS 333 ENVS 335 ENVS 336 ENVS 336 ENVS 363 ENVS 364 ENVS 364 ENVS 383 ENVS 384 ENVS 389 ENVS 389	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Food Systems Analysis Industrial Ecology Introduction to the Circular Economy Ecological Economics Design for Circular & Sustainable Business Climate Change and Human Health Sustainable Business Management Sustainability Management in the Global Context Human Dimensions of Conservation Conservation Economics Ecological Risk Assessment Environmental Research (with SES approval)	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313 ENVS 327 ENVS 332 ENVS 333 ENVS 335 ENVS 336 ENVS 336 ENVS 363 ENVS 364 ENVS 364 ENVS 383 ENVS 384 ENVS 389 ENVS 391 ENVS 395	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Food Systems Analysis Industrial Ecology Introduction to the Circular Economy Ecological Economics Design for Circular & Sustainable Business Climate Change and Human Health Sustainable Business Management Sustainability Management in the Global Context Human Dimensions of Conservation Conservation Economics Ecological Risk Assessment Environmental Research (with SES approval)	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313 ENVS 327 ENVS 332 ENVS 333 ENVS 335 ENVS 336 ENVS 336 ENVS 363 ENVS 363 ENVS 364 ENVS 383 ENVS 384 ENVS 389 ENVS 389 ENVS 391 ENVS 395 ENVS 398	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Food Systems Analysis Industrial Ecology Introduction to the Circular Economy Ecological Economics Design for Circular & Sustainable Business Climate Change and Human Health Sustainable Business Management Sustainability Management in the Global Context Human Dimensions of Conservation Conservation Economics Ecological Risk Assessment Environmental Research (with SES approval) Environmental Internship (with SES approval)	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313 ENVS 327 ENVS 332 ENVS 333 ENVS 335 ENVS 336 ENVS 336 ENVS 364 ENVS 364 ENVS 383 ENVS 384 ENVS 389 ENVS 389 ENVS 391 ENVS 395 ENVS 399	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Food Systems Analysis Industrial Ecology Introduction to the Circular Economy Ecological Economics Design for Circular & Sustainable Business Climate Change and Human Health Sustainable Business Management Sustainability Management in the Global Context Human Dimensions of Conservation Conservation Economics Ecological Risk Assessment Environmental Research (with SES approval) Environmental Internship (with SES approval) Directed Readings (with SES approval)	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313 ENVS 327 ENVS 332 ENVS 333 ENVS 335 ENVS 336 ENVS 336 ENVS 364 ENVS 364 ENVS 383 ENVS 384 ENVS 389 ENVS 391 ENVS 395 ENVS 398 ENVS 399 ECON 328	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Food Systems Analysis Industrial Ecology Introduction to the Circular Economy Ecological Economics Design for Circular & Sustainable Business Climate Change and Human Health Sustainable Business Management Sustainability Management in the Global Context Human Dimensions of Conservation Conservation Economics Ecological Risk Assessment Environmental Research (with SES approval) Environmental Internship (with SES approval) Directed Readings (with SES approval) Environmental Economics	
	ENVS 310 ENVS 311 ENVS 312 ENVS 313 ENVS 327 ENVS 332 ENVS 333 ENVS 335 ENVS 336 ENVS 336 ENVS 363 ENVS 364 ENVS 364 ENVS 383 ENVS 384 ENVS 389 ENVS 391 ENVS 395 ENVS 398 ENVS 399 ECON 328 GLST 305	Introduction to Environmental Law & Policy Natural Resources and Land Use Law & Policy Water Law & Policy Energy Law & Policy Food Systems Analysis Industrial Ecology Introduction to the Circular Economy Ecological Economics Design for Circular & Sustainable Business Climate Change and Human Health Sustainable Business Management Sustainability Management in the Global Context Human Dimensions of Conservation Conservation Economics Ecological Risk Assessment Environmental Research (with SES approval) Environmental Internship (with SES approval) Directed Readings (with SES approval) Environmental Economics Globalization and Environmental Sustainability	

#### **Environmental Science**

Select one of the	following:	3
ENVS 207	Plants and Civilization	
ENVS 215 /	Ornithology	
BIOL 215		
ENVS 223	Soil Ecology	
ENVS 224	Climate & Climate Change	
ENVS 226	Science & Conservation of Freshwater Ecosystems	
ENVS 267	Bird Conservation and Ecology	
ENVS 273	Energy and The Environment	
ENVS 283	Environmental Sustainability	
ENVS 298	Special Topics (with SES approval)	
ENVS 319	Winter Ecology	
ENVS 322	Invasive Species	
ENVS 325	Sustainable Agriculture	
ENVS 326	Agroecosystems	
ENVS 327	Food Systems Analysis	
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 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	Applied Environmental Statistics	
ENVS 389	Ecological Risk Assessment	
ENVS 391	Environmental Research (with SES approval)	
ENVS 395	Environmental Internship (with SES approval)	
ENVS 398	Special Topics (with SES approval)	
ENVS 399	Directed Readings (with SES approval)	
ANTH 104	The Human Ecological Footprint	
ANTH 303	People and Conservation	
BIOL, CHEM, P	HYS 300-level courses (with SES approval)	
Total Hours		9

## **Electives for Digital Media and Storytelling**

Code	Title	Hours
Advertising/Publ	ic Relations	
COMM 422	Global and Multicultural Audiences and Stakeholders	3
COMM 432	Nonprofit Communication	3
COMM 433	Corporate Communication	3
COMM 437	Advertising/PR Multimedia Commercial Production	3
COMM 463	Intermediate Advertising Design	3

COMM 464	Mobile Advertising	3	
Film and Production			
COMM 439	Video Documentary	3	
COMM 455	Animation	3	
COMM 459	Advanced Post Production	3	
COMM 494	Film & Digital Media Internship	3	
Multimedia Journalism			
COMM 458	Newscasting and Producing	3	
COMM 473	Digital Storytelling Abroad	3	
COMM 492	Multimedia Journalism Internship	3	
Other			
COMM 416	Special Topics in Digital Media & Storytelling	3	
COMM 479	Digital Sustainability	3	
COMM 498	Directed Study for Graduate Students	1-3	

## **Suggested Sequence of Courses**

The below sequence of courses is meant to be used as a suggested path for completing coursework. An individual student's completion of requirements depends on course offerings in a given term as well as the start term for a major or graduate study. Students should consult their advisor for assistance with course selection.

Course	Title	Hours
Year One		
Fall		
BIOL 101	General Biology I	3
BIOL 111	General Biology I Lab	1
CHEM 160	Chemical Structure and Properties	3
CHEM 161	Chemical Structure and Properties Laboratory	1
ENVS 137	Foundations of Environmental Science I	3
	Hours	11
Spring		
BIOL 102	General Biology II	3
BIOL 112	General Biology II Lab	1
CHEM 180	Chemical Reactivity I	3
CHEM 181	Chemical Reactivity I Lab	1
ENVS 200	Environmental Careers and Professional Skills	1
ENVS 203	Environmental Statistics	3
	Hours	12
Year Two		
Fall		
ENVS 280	Principles of Ecology	3
ENVS 286S	Principles of Ecology Lab	1
	Hours	4
Spring		
ENVS 274	Chemistry of the Environment	3
ENVS 275	Chemistry of the Environment Lab	1

ENVS 218	Biodiversity & Biogeography	1-3
or ENVS 320	or Conservation Biology	
or ENVS 321	or Conservation Biology Lab	
or ENVS 330	or Restoration Ecology	
or ENVS 331	or Restoration Ecology Lab	
or ENVS 383	or Human Dimensions of Conservation	
Justice & Ethics Cho		3
Society, Ethics, & Ju		3
Van Thua	Hours	13
Year Three		
Fall	No	0
Engaged Learning C		3
•	Hours	3
Spring		
ENVS 335	Ecological Economics or Environmental Economics	3
or ECON 328		1.0
ENVS 218 or ENVS 218	Biodiversity & Biogeography	1-3
or ENVS 320	or Biodiversity & Biogeography or Conservation Biology	
or ENVS 321	or Conservation Biology Lab	
or ENVS 330	or Restoration Ecology	
or ENVS 331	or Restoration Ecology Lab	
or ENVS 383	or Human Dimensions of Conservation	
Policy, Economics, 8	& Resource Management Elective	3
	Hours	10
Year Four		
Fall		
ENVS 218	Biodiversity & Biogeography	1-3
or ENVS 218	or Biodiversity & Biogeography	
or ENVS 320	or Conservation Biology	
or ENVS 321	or Conservation Biology Lab	
or ENVS 330 or ENVS 331	or Restoration Ecology	
or ENVS 383	or Restoration Ecology Lab or Human Dimensions of Conservation	
PLSC 392	Environmental Politics	3
COMM 405	Story Development and Production	3
COMM 420	Digital Production: Storytelling with Impact	3
COMM 306	Environmental Advocacy	3
or COMM 379	or Digital Sustainability	J
	Hours	16
Spring		
Capstone Choice		3
COMM 425	Digital Marketing and Analytics	3
COMM 430	2D Design for Print and the Web	3
COMM 306	Environmental Advocacy	3
or COMM 379	or Digital Sustainability	
	Hours	12
Year Five		
Fall		
COMM 400	Designing for Digital Environments	3
COMM 410	Media Law for Inclusive Digital Storytelling	3
DMST Elective		3
DMST Elective		3
	Hours	12

Spring		
COMM 415	Data-Powered Digital Storytelling	3
COMM 450	Capstone II	3
DMST Elective		3
DMST Elective		3
	Hours	12
	Total Hours	105

# **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,<sup>1</sup>
- 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.<sup>2</sup>

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. <sup>3</sup>

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.
- <sup>3</sup> 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. <sup>1,2</sup> 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"). <sup>3</sup>

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

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.

#### **LEARNING OUTCOMES**

- 1. Explain fundamental connections among ecological processes that are the basis of unity and diversity of life. [BS]
- Analyze ecological and societal data to apply best management practices in conservation and restoration ecology. [BS]
- Synthesize the social, historical, economic, political, and biological causes, consequences, and solutions to our current biodiversity crisis. [BS]
- Develop and express a personal philosophy that values protecting and restoring our global bicultural diversity and vital ecosystems. [BS]
- Learn how to use state-of-the-art equipment in our Convergence Studio and technology labs. [MC]
- Learn audience engagement and analytics to understand user activities and to drive improvements in distribution performance.
   Students will learn digital audience behavior and the legal, marketing and economic environment for finding ideal audiences and distributing digital content. [MC]

7. Create a capstone project that integrates learning from all coursework and culminates in a professional project that is widely distributed to the public. [MC]

## **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.
- 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.
- Exemplify the values of environmental and social justice through actions to care for our common home and one another.