

	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FALL	3	Choose 1	Communication (Core)	C	010	For all 010 courses: Satisfactory scores on ENGL portion of ACT test or TSI reading/writing exams or ENGL 0301. For ENGL 1302: a grade of "C" or better in ENGL 1301.	See General Education Core for more details. Options: ENGL 1301
	3	MATH 1314/1414	College Algebra	C	020	College Ready TSI status in Mathematics (grade of "C" or better)	See General Education Core for more details. Satisfies Agriculture and Ecology Track requirement
	4	BIOL 1406	General Biology I		090		Satisfies 1 hour of General Education Core - Integrative & Experiential Learning; satisfies Major requirement
	3	POLS 2305	Government/Political Science (Core)		070		See General Education Core for course options.
		UNIV	1301 Learning Framework 1101 Academic and Career Success 1001 Living and Working by Design				As required, based on credit hours earned, TSI status, High school rank, major declaration
13 Semester Total Hours							
SPRING	3	Choose 1	Communication (Core)	C	010	For all 010 courses: Satisfactory scores on ENGL portion of ACT test or TSI reading/writing exams or ENGL 0301. For ENGL 1302: a grade of "C" or better in ENGL 1301.	See General Education Core for more details. Options: ENGL 1302 or ENGL 1305
	4	BIOL 1407	General Biology II				Satisfies Major requirement
	3	ECON 2301	Principles of Macroeconomics		080		Satisfies General Education Core - Social & Behavioral Sciences requirement; satisfies Major requirement
	3	Choose 1	Integrative and Experiential Learning (core)		090		See General Education Core for course options
	3	POLS 2306	Government/Political Science (Core)		070		See General Education Core for course options.
16 Semester Total Hours							
FALL	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
	3	Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1301 or HIST/MASC 2327
	3	Choose 1	Creative Arts (Core)		050		See General Education Core for course options.
	4	ENVR 1401	Introduction to Environmental Science I		030/090		Satisfies General Education Core - Life & Physical Sciences and Integrative & Experiential Learning; satisfies Major requirement
	3	ENVR 3305	Sustainable Agriculture				Satisfies Major requirement
	3	Choose 1	Agriculture & Ecology Concentration				Choose a minimum of 3 hours from Natural Resource Management and Food Science
16 Semester Total Hours							
SPRING	3	Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1302 or HIST/MASC 2328
	4	ENVR 1402	Introduction to Environmental Science II		030/090	ENVR 1401 with a "C" or better	Satisfies General Education Core - Life & Physical Sciences and Integrative & Experiential Learning; satisfies Major requirement
	3	PHIL 4318	Philosophy of Food				Satisfies Major requirement
	4	BIOL 3409	Ecology			Grade of "C" or better in the following: BIOL 1406 and BIOL 1407.	Satisfies Major requirement
14 Semester Total Hours							

CORE: The 2020-2021 list of core courses can be found in the 2020-2021 Undergraduate Catalog: www.utrgv.edu/catalog > See 'Core Curriculum'

Symbols Key

Critical (!): sequence sensitive course.

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.

General Education Core (GEC) Sections: 010 - Communication; 020 - Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 - Creative Arts; 060 - American History; 070 - Government/Political Science; 080 - Social and Behavioral Sciences; 090 - Applied Communication and Literacies; 090 - Humanities; 090 - Leadership; 090 - Science Labs; 090 - Interdisciplinary; 090 - Technologies; 090 - Language Diversity & Writing.

H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FALL	4	SAFS/BIOL 4429			BIOL 3409 or consent of instructor	Satisfies Major requirement	
	3	HIST 4333			HIST 1301 and HIST 1302	Satisfies Major requirement	
	3	CHEM 1311			MATH 1314, MATH 1414, MATH 1342, MATH 1343, MATH 2412, MATH 2413 with a grade of "C" or higher."	Support Courses	
	1	CHEM 1111			Credit/registration in CHEM 1311.	Support Courses	
	3	EEMS 4381 or CESL 3301	Community-Engaged Service Learning I or Community Engaged Scholarship I		Junior Standing and enrolled in Sustainable Agriculture and Food Systems BS program.	Capstone	
	14 Semester Total Hours						
THIRD YEAR	3	EEMS/BIOL 4388			BIOL 3409 or consent of instructor.	Satisfies Major requirement	
	3	ENVR 3301 or ENVR 3304	Natural Resources Conservation or Environmental Approaches to Sustainable Development		ENVR 1402 with grade of "C" or better	Satisfies Major requirement	
	3	CHEM 1312	General Chemistry II		CHEM 1311.	Support Courses	
	1	CHEM 1112	General Chemistry II Lab		Cedit/registration in CHEM 1312	Support Courses	
	3	EEMS 4365	Integrated Pest Management		BIOL 1406 and BIOL 1407, CHEM 1311, CHEM 1111, CHEM 1312, CHEM 1112 and must have taken or be concurrently enrolled in BIOL 3409.	Satisfies Major requirement	
	3	EEMS 4382 or CESL 3302	Community-Engaged Service Learning II or Community Engaged Scholarship II		Junior Standing and enrolled in Sustainable Agriculture and Food Systems BS program.	Capstone	
16 Semester Total Hours							
FOURTH YEAR	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
	3	ECON 3355	Development Economics			ECON 2301.	Satisfies Major requirement
	3	Choose 1	Free Electives				
	3	EEMS 3360	Soil Science & Conservation			BIOL 1406, CHEM 1311, and CHEM 1111	Satisfies Major requirement
	3	Choose 1	Agriculture & Ecology Concentration				Choose a minimum of 3 hours from Production Sciences
	3	Choose 1	Language, Philosophy & Culture (Core)		040		See General Education Core for course options.
	1	EEMS 4191	Interdisciplinary Seminar Series Fall			Senior Standing and enrolled in Sustainable Agriculture and Food Systems BS program.	Capstone
	16 Semester Total Hours						
	3	Choose 1	Free Electives				
	3	ANTH 4310	Food and Culture			3 hours from any of these areas: anthropology (ANTH), economics (ECON), psychology (PSYC), sociology (SOCL), or consent of instructor.	Satisfies Major requirement
3	ENVR 4351	Environmental Management			ENVR 1401, and permission of instructor required.	Satisfies Major-specific elective	
4	Choose 1	Agriculture & Ecology Concentration				Choose a minimum of 3 hours from Natural Resource and Food Science or Production Sciences	
1	EEMS 4192	Interdisciplinary Seminar Series Spring			Senior Standing and enrolled in Sustainable Agriculture and Food Systems BS program.	Capstone	
1	EEMS 4193	Interdisciplinary Synthesis & Communication			Senior Standing and enrolled in Sustainable Agriculture and Food Systems BS program.	Capstone	
15 Semester Total Hours							

120 TOTAL HOURS

(42) Advanced Institutional minimum credit hours

Approved: Friday, February 5, 2021

Revised: Monday, November 16, 2020