

	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FIRST YEAR	3	Choose 1	Communication (Core)	C	010	For all 010 courses: Satisfactory scores on English portion of ACT test and TSI examination 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 or MATH 0314/0332/0342.	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	U.S. Federal Government & Politics		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 English portion of ACT test and TSI examination 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	Texas Government & Politics		070		See General Education Core for course options.	
	16	Semester Total Hours						
SECOND YEAR	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 the Natural Resource Management and Food Sciences (first) elective pool.	
	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 Track requirement.	
		14	Semester Total Hours					

CORE: The 2021-2022 list of core courses can be found in the 2021-2022 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	Agroecology			BIOL 3409 or consent of instructor	Satisfies Major requirement.	
	3	HIST 4333	Food and Agricultural History			HIST 1301 and HIST 1302	Satisfies Major requirement.	
	3	CHEM 1311	General Chemistry I			MATH 1314, MATH 1414, MATH 1342, MATH 1343, MATH 2412, MATH 2413 with a grade of "C" or higher."	Support Courses.	
	1	CHEM 1111	General Chemistry I Lab			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						
SPRING	3	EEMS/BIOL 4388	Global Change Ecology			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 Track requirement.	
	3	EEMS 4382 or CESL 3302	Community-Engaged Service Learning II or Engaged Scholarship II	Community		Junior Standing and enrolled in Sustainable Agriculture and Food Systems BS program.	Capstone.	
16	Semester Total Hours							
FALL	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 Track requirement.	
	3	Choose 1	Agriculture & Ecology Concentration				Choose a minimum of 3 hours from the Production Sciences (second) elective pool.	
	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						
	SPRING	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 (SOCI), or consent of instructor.	Satisfies Major requirement.
		3	ENVR 4351	Environmental Management			ENVR 1401, and permission of instructor required.	Satisfies Track requirement.
4		Choose 1	Agriculture & Ecology Concentration				Choose a minimum of 4 hours from either elective pool.	
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 minimum credit hours

Approved: Monday, November 1, 2021
Revised: Thursday, October 14, 2021