

	I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FIRST YEAR	FALL	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. <b>Options: ENGL 1301</b>	
		3	MATH 1314/1414	College Algebra (Core)	C	020	College Ready TSI status in Mathematics or MATH 0314/0332/0342.	See General Education Core for more details.	
		4	BIOL 1406	General Biology I (Core)		090		Satisfies 1 hour of General Education Core - Integrative & Experiential Learning; satisfies Major requirement	
		3	POLS 2305	U.S. Federal Government & Politics (Core)		070		See General Education Core for more details.	
			UNIV 1301	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	
		<b>13</b>	<b>Semester Total Hours</b>						
FIRST YEAR	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. <b>Options: ENGL 1302 or ENGL 1305</b>	
		4	BIOL 1407	General Biology II				Satisfies Major requirement.	
		3	ECON 2301	Principles of Macroeconomics (Core)		080		Satisfies General Education Core - Social & Behavioral Sciences requirement; satisfies Major requirement.	
		3	Choose 1	Integrative & Experiential Learning (Core)		090		Satisfies General Education Core.	
		3	POLS 2306	Texas Government & Politics (Core)		070		See General Education Core for more details.	
		<b>16</b>	<b>Semester Total Hours</b>						
SECOND YEAR	FALL	3	Choose 1	American History (Core)		060		See General Education Core for more details. <b>Options: HIST 1301 or HIST/MASC 2327</b>	
		4	ENVR 1401	Introduction to Environmental Science I (Core)		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	CHEM 1311	General Chemistry I			MATH 1314, MATH 1414, MATH 1342, MATH 1343, MATH 2412, MATH 2413 with a grade of "C" or higher.	Satisfies Track Support Courses requirement.	
		1	CHEM 1111	General Chemistry I Lab			Credit/registration in CHEM 1311.	Satisfies Track Support Courses requirement.	
			<b>14</b>	<b>Semester Total Hours</b>					
	SECOND YEAR	SPRING	3	Choose 1	American History (Core)		060		See General Education Core for more details. <b>Options: HIST 1302 or HIST/MASC 2328</b>
			4	ENVR 1402	Introduction to Environmental Science II (Core)		030/090	ENVR 1401 with a "C" or better	Satisfies General Education Core - Life & Physical Sciences and Integrative & Experiential Learning; satisfies Major requirement
			4	BIOL 3409	Ecology			Grade of 'C' or better in the following: BIOL 1406 and BIOL 1407.	
			3	CHEM 1312	General Chemistry II			CHEM 1311/1111	Satisfies Track Support Courses requirement.
1			CHEM 1112	General Chemistry II Lab			Rredit/registration in CHEM 1312	Satisfies Track Support Courses requirement.	
		<b>15</b>	<b>Semester Total Hours</b>						

**CORE: The 2021-2022 list of core courses can be found in the 2021-2022 Undergraduate Catalog: [www.utrgv.edu/catalog](http://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.

	I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FALL	4		BIOL/SAFS 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		BIOL 1322	Human Nutrition				Satisfies Track requirement.	
	3		Choose 1	Free Elective					
	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	
	16	<b>Semester Total Hours</b>							
SPRING	3		BIOL/EEMS 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.	
	4		Choose 1	Food & Health Elective				Satisfies Track Requirement. Biochemistry, Microbiology and Toxicology, Nutrition and Dietetics or Epidemiology.	
	3		PHIL 4318	Philosophy of Food				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	<b>Semester Total Hours</b>							
FALL	3		ECON 3355	Development Economics			ECON 2301.	Satisfies Major requirement.	
	3		EEMS 4360	Food Science			BIOL 1406 and BIOL 1407, CHEM 1311, CHEM 1111, CHEM 1312, CHEM 1112.	Satisfies Track requirement.	
	4		Choose 1	Food & Health Elective				Satisfies Track Requirement. Biochemistry, Microbiology and Toxicology, Nutrition and Dietetics or Epidemiology.	
	3		Choose 1	Food & Health Elective				Satisfies Track Requirement. Biochemistry, Microbiology and Toxicology, Nutrition and Dietetics or Epidemiology.	
	2		Choose 1	Free Elective					
	1		EEMS 4191	Interdisciplinary Seminar Series Fall			Senior Standing and enrolled in Sustainable Agriculture and Food Systems BS program.	Capstone	
	16	<b>Semester Total Hours</b>							
	3		Choose 1	Language, Philosophy & Culture (Core)		040		See General Education Core for course options.	
	3		Choose 1	Creative Arts (Core)		050		See General Education Core for course options.	
	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		Choose 1	Food & Health Elective				Satisfies Track Requirement. Biochemistry, Microbiology and Toxicology, Nutrition and Dietetics or Epidemiology.		
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		
14	<b>Semester Total Hours</b>								

120 TOTAL HOURS

(42) Advanced minimum credit hours

Approved: Monday, November 1, 2021

Revised: Sunday, October 10, 2021