

Location of Course (Edinburg = ED; BRW = Brownsville; ONL = Online) Term (FA, SP, SUM)	Hours	BRW	ED	ONL	NOTES and PLANS - If course is offered at both campuses please color-code it GREEN. If it is not offered at both campuses, please color-code it YELLOW and add a note for addressing deficiency. Courses required for the General Education Core should be coded in BLUE. Use "As Scheduled" for courses not scheduled every full semester.
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DEGREE REQUIREMENTS

General Education Courses					
Communication	6	FA, SP, SUM	FA, SP, SUM		See General Education options
Language Philosophy and Culture	3	FA, SP, SUM	FA, SP, SUM		See General Education options
Creative Arts	3	FA, SP, SUM	FA, SP, SUM		See General Education options
American History	6	FA, SP, SUM	FA, SP, SUM		See General Education options
Government/Political Science	6	FA, SP, SUM	FA, SP, SUM		See General Education options
Integrative & Experiential Learning	3	FA, SP, SUM	FA, SP, SUM		See General Education options; likely to be fulfilled by taking elective courses with laboratories
MATH 1314/1414 College Algebra	3	FA, SP, SUM	FA, SP, SUM		Choose either; fulfills the Mathematics GEC requirement; for the Food and Society Concentration any Mathematics GEC course is allowable
ENVR 1401 Introduction to Environmental Science I	4	FA, SP, SUM	FA, SP, SUM		Lecture fulfills a Life and Physical Sciences GEC requirement; lab fulfills an Integrative & Experiential Learning GEC requirement
ENVR 1402 Introduction to Environmental Science II	4	FA, SP, SUM	FA, SP, SUM		Lecture fulfills a Life and Physical Sciences GEC requirement; lab fulfills an Integrative & Experiential Learning GEC requirement
ECON 2301 Principles of Macroeconomics	3	FA, SP, SUM	FA, SP, SUM		Fulfills the Social and Behavioral Sciences GEC requirement; offered by Economics Dept; offerings are estimates based on AY 2018-19 and AY 2019-20

Major Requirements					
ANTH 4310 Food and Culture	3		SP		Offered by Anthropology Dept; offerings are estimates based on AY 2018-19 and AY 2019-20
BIOL 1406/1487 General Biology I	4	FA, SP, SUM	FA, SP, SUM		Choose regular or Honors; the one-hour lab fulfills an Integrative & Experiential Learning GEC requirement
BIOL 1407/1488 General Biology II	4	FA, SP, SUM	FA, SP, SUM		Choose regular or Honors; the one-hour lab fulfills an Integrative & Experiential Learning GEC requirement
BIOL 3409 Ecology	4	FA, SP	FA, SP, SUM		Prerequisites: BIOL 1406, 1407
BIOL/EEMS 4388 Global Change Ecology	3	SP	FA, SP, SUM		Offerings by Biology Dept are estimates based on AY 2018-19 and AY 2019-20; sometimes offered in the summer as Study Abroad
BIOL/SAFS 4429 Agroecology	4		FA		Offerings by Biology Dept are estimates based on AY 2018-19 and AY 2019-20; offered as needed but typically not every year
ECON 3355 Development Economics	3		SP		Offered by Economics Dept; offered every other year; offerings are estimates based on AY 2018-19 and AY 2019-20
ENVR 3305 Sustainable Agriculture	3		SP		Offered as needed
HIST 4333 Food and Agricultural History	3		FA		Offered by History Dept; offerings are estimates based on AY 2018-19 and AY 2019-20; offered every other year
PHIL 4318 Philosophy of Food	3				New Course; offered by Philosophy Dept; offerings are estimates based on AY 2018-19 and AY 2019-20
ENVR 3301 Natural Resources Conservation	3			SP	ITV; students can take either ENVR 3301 or ENVR 3304 to meet the major requirement
ENVR 3304 Sustainable Development	3				New Course; offered as needed; students can take either ENVR 3301 or ENVR 3304 to meet the major requirement
EEMS 4381 Community-Engaged Service Learning I (or CESL 3301)	3	SP	SP		We are working towards a Fall offering on both campuses; faculty need special training to offer this course
EEMS 4382 Community-Engaged Service Learning II (or CESL 3302)	3	SP	SP		We are working towards a Fall offering on both campuses; faculty need special training to offer this course
EEMS 4191 Interdisciplinary Seminar Series Fall	1			FA	Online; seminar participation via Zoom with a classroom option
EEMS 4192 Interdisciplinary Seminar Series Spring	1			SP	Online; seminar participation via Zoom with a classroom option
EEMS 4193 Interdisciplinary Synthesis & Communication	1	SP			Offered as needed; we are trying to identify faculty who can regularly teach this in Edinburg

Program Concentrations					
Agriculture and Ecology Concentration					
CHEM 1111 General Chemistry I Lab	1	FA, SP, SUM	FA, SP, SUM		Required
CHEM 1112 General Chemistry II Lab	1	FA, SP, SUM	FA, SP, SUM		Required
CHEM 1311 General Chemistry I	3	FA, SP, SUM	FA, SP, SUM		Required
CHEM 1312 General Chemistry II	3	FA, SP, SUM	FA, SP, SUM		Required
EEMS 3360 Soil Science and Conservation	3		FA		Required; offered in even years
EEMS 4365 Integrated Pest Management	3		SP		Required
ENVR 4351 Environmental Management	3				Required; offered as needed
BIOL 3345 Animal Nutrition	3				Elective; offered by Biology Department
BIOL 3404 Conservation Biology	4				Elective; offered by Biology Department
BIOL 3408 Plant Morphology	4				Elective; offered by Biology Department
BIOL 3413 Genetics	4				Elective; offered by Biology Department
BIOL 4318 Ethnobotany	3				Elective; offered by Biology Department
BIOL 4404 Ichthyology	4				Elective; offered by Biology Department
BIOL 4405 Plant Physiology	4				Elective; offered by Biology Department
BIOL 4408 Plant Pathology	4				Elective; offered by Biology Department
BIOL 4411 Ecological Physiology of Animals	4				Elective; offered by Biology Department
BIOL 4414 Plant Taxonomy	4				Elective; offered by Biology Department
BIOL 4423 Wildlife Ecology and Management	4				Elective; offered by Biology Department
BIOL 4432 Animal Behavior	4				Elective; offered by Biology Department

BIOL/MARS 4402 Marine Zoology	4	FA			Elective; offered every other year
BIOL/MARS 4410 Marine Botany	4	FA, SP			Elective; offered in Spring every other year
BIOL/MARS 4426 Marine Ecology	4	FA	SP		Elective
BIOL/MARS 4427 Marine Animal Field Studies	4	FA, SP			Elective
BIOL/MARS 4430 Coastal Ecology	4				Elective; offered as needed
EEMS 4360 Food Science	3		FA		Elective
EEMS 4366 Nanotechnologies for Food and Agriculture	3		SP		Elective
ENVR 4320 Fundamentals of Soil Science	3		FA		Elective; new course; offered in odd years
ENVR 4321 Soil Ecology	3		SP		Elective; new course; offered in even years
ENVR 4322 Soil Chemistry	3		FA		Elective; new course; offered in even years
ENVR 4323 Soil Physics and Hydrology	3		FA		Elective; new course
ENVR 4350 Environmental Planning and Permitting	3				Elective; offered as needed
ENVR 4450 Environmental Monitoring	4				Elective; offered as needed
MARS 3250 General Aquaculture Lab	2				Elective; offered as needed
MARS 3350 General Aquaculture	3			SP	Elective
SAFS 1101 Introduction to Sustainable Agriculture Lab	1				Elective; new course; offered as needed
SAFS 1103 Introduction to Agricultural Engineering Lab	1	SP			Elective; new course
SAFS 1115 Sustainable Horticulture Lab	1				Elective; new course; offered as needed
SAFS 1129 Introduction to Food Science Lab	1		FA		Elective; new course
SAFS 1301 Introduction to Sustainable Agriculture	3				Elective; new course; offered as needed
SAFS 1303 Introduction to Agricultural Engineering	3	SP			Elective; new course
SAFS 1315 Sustainable Horticulture	3				Elective; new course; offered as needed
SAFS 1329 Introduction to Food Science	3		FA		Elective; new course
SAFS 4306 Medicinal Food Chemistry	3				Elective; new course; offered as needed
Business and Policy Concentration					
ECON 2302 Principles of Microeconomics	3	FA, SP, SUM	FA, SP, SUM	FA, SP	Required
ENVR 3302 Environmental Ethics	3			FA	Required; offered in odd years
ENVR 4357 Urban Sustainability	3		SP		Required; new course
HIST 3335 American Environmental History	3				Required; offered as needed by History Department; offerings are estimates based on AY 2018-19 and AY 2019-20
POLS 4356 U.S. Environmental Policy	3				Required; offered as needed by Political Science Department; offerings are estimates based on AY 2018-19 and AY 2019-20
ACCT 2301 Introduction to Financial Accounting	3				Elective; offered by Accounting Department
ANTH 4314 Environmental Anthropology	3				Elective; offered by Anthropology Department
ECON 3336 The Political Economy of Mexico	3				Elective; offered by Economics Department
ECON 3341 Econometrics	3				Elective; offered by Economics Department
ECON 3342 Business and Economics Forecasting	3				Elective; offered by Economics Department
ECON 3343 Economics of the Government Sector	3				Elective; offered by Economics Department
ECON 3351 Macroeconomic Theory	3				Elective; offered by Economics Department
ECON 3352 Microeconomic Theory	3				Elective; offered by Economics Department
ECON 3353 International Trade	3				Elective; offered by Economics Department
ECON 3357 Economics of Poverty	3				Elective; offered by Economics Department
ECON 3358 Labor Economics	3				Elective; offered by Economics Department
ECON 3360 Managerial Economics	3				Elective; offered by Economics Department
ENTR 3340 New Venture Creation and Innovation	3				Elective; offered by Entrepreneurship Department
ENTR 3356 Introduction to Entrepreneurship	3				Elective; offered by Entrepreneurship Department
ENVR 4301 Environmental Regulations	3			SP	Elective
FINA 3391 Small Business Financial Management†	3				Elective; offered by Finance Department
FINA 3393 Entrepreneurial Finance†	3				Elective; offered by Finance Department
GEOG 4411 Introduction to Geographic Information Systems	4	FA	SP		Elective
MARK 3300 Principles of Marketing	3				Elective; offered by Marketing Department
MGMT 3361 Principles of Management	3				Elective; offered by Management Department
POLS 2340 Introduction to Political Theory	3				Elective; offered by Political Science Department
POLS 2350 Introduction to Political Economy	3				Elective; offered by Political Science Department
POLS 2470 Introduction to Political Science Research	4				Elective; offered by Political Science Department
POLS 3310 U.S. State and Local Government	3				Elective; offered by Political Science Department
POLS 3321 Comparative Politics of Developing Nations	3				Elective; offered by Political Science Department
POLS 3323 Middle Eastern Politics	3				Elective; offered by Political Science Department
POLS 3324 Asian Politics	3				Elective; offered by Political Science Department

POLS 3330 International Politics	3			Elective; offered by Political Science Department
POLS 3333 Gender Theory in World Politics	3			Elective; offered by Political Science Department
POLS 3342 Contemporary Political Theory	3			Elective; offered by Political Science Department
POLS 3351 Interest Groups and Political Movements	3			Elective; offered by Political Science Department
POLS 3355 U.S. Public Policy	3			Elective; offered by Political Science Department
POLS 3356 U.S. Economic Policy	3			Elective; offered by Political Science Department
POLS 4313 U.S. Legislative Process	3			Elective; offered by Political Science Department
POLS 4316/MASC 4316 U.S. Latin@ Politics	3			Elective; offered by Political Science Department
POLS 4320 Latin American Politics	3			Elective; offered by Political Science Department
POLS 4321 Central American and Caribbean Politics	3			Elective; offered by Political Science Department
POLS 4322 Western European Politics	3			Elective; offered by Political Science Department
POLS 4323 Mexican Politics	3			Elective; offered by Political Science Department
POLS 4324 Contemporary Chinese Politics	3			Elective; offered by Political Science Department
POLS 4332 International Organizations	3			Elective; offered by Political Science Department
POLS 4350 Political Socialization and Civic Engagement	3			Elective; offered by Political Science Department
POLS 4355 U.S. Labor Policy	3			Elective; offered by Political Science Department
POLS/MASC 4333 U.S.-Mexico Border Relations	3			Elective; offered by Political Science & Mexican-American Studies Departments
QUMT 2341 Business Statistics I	3			Elective; offered by Quantitative Methods Department
QUMT 3341 Business Statistics II	3			Elective; offered by Quantitative Methods Department
SAFS 1301 Introduction to Sustainable Agriculture	3			Elective; new course; offered as needed
SOCI 3301 Statistics for the Behavioral Sciences	3			Elective; offered by Sociology Department
Food and Health Concentration				
BIOL 1322 Human Nutrition	3	FA, SP		Required; offerings are estimates based on AY 2018-19 and AY 2019-20
CHEM 1111 General Chemistry I Lab	1	FA, SP, SUM	FA, SP, SUM	Required
CHEM 1112 General Chemistry II Lab	1	FA, SP, SUM	FA, SP, SUM	Required
CHEM 1311 General Chemistry I	3	FA, SP, SUM	FA, SP, SUM	Required
CHEM 1312 General Chemistry II	3	FA, SP, SUM	FA, SP, SUM	Required
EEMS 4360 Food Science	3		FA	Required
BIOL 3401 General Microbiology	4			Elective; offered by Biology Department
BIOL 3403 Medical Microbiology and Immunology	4			Elective; offered by Biology Department
BIOL 3412 Cell Biology	4			Elective; offered by Biology Department
BIOL 3413 Genetics	4			Elective; offered by Biology Department
BIOL 3414 Invertebrate Zoology	4			Elective; offered by Biology Department
BIOL 4317 Disease Epidemiology	3			Elective; offered by Biology Department
BIOL 4319 Medical Entomology	3			Elective; offered by Biology Department
BIOL 4413 General Virology	4			Elective; offered by Biology Department
BIOL 4415 Entomology	4			Elective; offered by Biology Department
BIOL 4421 Biotechnology	4			Elective; offered by Biology Department
BIOL 4424 Microbial Ecology	4			Elective; offered by Biology Department
BIOL 4428 Medical Genomics	4			Elective; offered by Biology Department
CHEM 2123 Organic Chemistry I Lab	1			Elective; offered by Chemistry Department
CHEM 2125 Organic Chemistry II Lab	1			Elective; offered by Chemistry Department
CHEM 2323 Organic Chemistry I	3			Elective; offered by Chemistry Department
CHEM 2325 Organic Chemistry II	3			Elective; offered by Chemistry Department
CHEM 3103 Biochemistry I Lab	1			Elective; offered by Chemistry Department
CHEM 3303 Biochemistry I	3			Elective; offered by Chemistry Department
CHEM 3307 Biochemistry II	3			Elective; offered by Chemistry Department
CHEM 4320 Nutrition and Exercise Biochemistry	3			Elective; offered by Chemistry Department
EEMS 4365 Integrated Pest Management	3		SP	Elective
EEMS 4366 Nanotechnologies for Food and Agriculture	3		SP	Elective
ENVR 4351 Environmental Management	3			Elective; offered as needed
HLTH 3372 Nutrition and Health	3			Elective; offered by Health Department
HPRS 3316 Nutrition Concepts for Allied Health Practitioners	3			Elective; offered by Health Professions Department
Food and Society Concentration				
ANTH 4314 Environmental Anthropology	3			Required; offered as needed by Anthropology Department; offerings are estimates based on AY 2018-19 and AY 2019-20
ENVR 3302 Environmental Ethics	3		FA	Required; offered in odd years
ENVR 4357 Urban Sustainability	3		SP	Required; new course

GEOL 4411 Introduction to Geographic Information Systems	4	FA	SP		Required; students can take either GEOL 4411 or SOCI 3301 to meet the concentration requirement
HIST 3335 American Environmental History	3				Required; offered as needed by History Department; offerings are estimates based on AY 2018-19 and AY 2019-20
SOCI 1301 Introduction to Sociology	3	FA, SP	FA, SP, SUM	FA, SP, SUM	Required
SOCI 3301 Statistics for the Behavioral Sciences	3	FA, SP	FA, SP		Required; students can take either GEOL 4411 or SOCI 3301 to meet the concentration requirement
ANTH 1324 Human Evolution	3				Elective; offered by Anthropology Department
ANTH 4385 Topics in Anthropology (Food and Drink from Past to Present)	3				Elective; offered by Anthropology Department
COMM 3321 Public Relations: Theory and Practice	3				Elective; offered by Political Science Department
COMM 4334 Communication Campaigns	3				Elective; offered by Political Science Department
COMM 4345 Conflict Management	3				Elective; offered by Political Science Department
ENVR 4301 Environmental Regulations	3			SP	Elective
GEOL 4408 Applications of Geographic Information Systems	4				Elective; offered as needed
GEOL 4412 Advanced Geographic Information Systems	4		FA		Elective; offered in odd years
HIST 3302 Geography and Environment in History	3				Elective; offered by History Department
HIST 3326 Indians of North America	3				Elective; offered by History Department
HIST 3329 American Legal History	3				Elective; offered by History Department
HIST/MASC 3332 Mexican-American History	3				Elective; offered by History & Mexican-American Studies Departments
MASC 2301 Introduction to Mexican American Studies	3				Elective; offered by Mexican-American Studies Department
PHIL 1360 Understanding Society and Politics	3				Elective; offered by Philosophy Department
PHIL 1364 Philosophy of the Social Sciences	3				Elective; offered by Philosophy Department
PHIL 4322 Social and Political Philosophy	3				Elective; offered by Philosophy Department
SAFS 1301 Introduction to Sustainable Agriculture	3				Elective; new course; offered as needed
SOCI 3312 Environmental Sociology	3				Elective; offered by Sociology Department
SOCI 3348 Disaster and Society	3				Elective; offered by Sociology Department
SOCI 4310 Sociology of Gender	3				Elective; offered by Sociology Department
SOCI 4313 Race and Ethnic Relations	3				Elective; offered by Sociology Department
SOCI 4343 Sociology of Globalization	3				Elective; offered by Sociology Department
SOCI 4352 Social Stratification	3				Elective; offered by Sociology Department
SOCI 4380 Social Protest and Social Movements	3				Elective; offered by Sociology Department

Average across concentrations

Percent of Degree can be completed in ED (incl. ONL and ITV)	79%
Percent of Degree can be completed in BRW (incl. ONL and ITV)	76%

Agriculture & Ecology

Percent of Degree can be completed in ED (incl. ONL and ITV)	79%
Percent of Degree can be completed in BRW (incl. ONL and ITV)	74%

Business & Policy

Percent of Degree can be completed in ED (incl. ONL and ITV)	78%
Percent of Degree can be completed in BRW (incl. ONL and ITV)	75%

Food & Health

Percent of Degree can be completed in ED (incl. ONL and ITV)	80%
Percent of Degree can be completed in BRW (incl. ONL and ITV)	80%

Food & Society

Percent of Degree can be completed in ED (incl. ONL and ITV)	77%
Percent of Degree can be completed in BRW (incl. ONL and ITV)	74%