\*Earth and Ocean Sciences ...... **COLLEGE OF SCIENCES** 



**ENVIRONMENTAL SCIENCES (BS)** 



## **AAAY HTAUOA**

Additional Info

• Pay attention to prerequisites and course

courses are offered only once per year.

Don't neglect your Language Proficiency

You are encourage to take some core

semester to graduate in four years.

major: Earth and Ocean Sciences,

Science, Environment and Society

• To graduate, students must have an overall

courses and required major courses each

Five concentrations are available for this

Environmental Chemistry, Environmental

Biology, Interdisciplinary Environmental

Always seek advice from your advisor when

you plan your class schedule each semester

requirement.

GPA of 2.0.

sequences. Some of the major foundational

Free Advanced Elective	33XX-43XX
Free Advanced Elective	34XX-44XX
ES Major Earth and Ocean Science Conc. Elective	t əsood)
Integrative and Experiential Learning	t əsood)
ES Major Earth and Ocean Science Conc. Elective	t əsood)
ES Major Earth and Ocean Science Conc. Elective	t əsood)
Supporting Science	т эгоодЭ
Free Advanced Elective	33XX-43XX

## 

**Contact Info** 

**Director- School of Earth,** 

**Environmental, and Marine Sciences** 

**Dr. David Hicks** 

David.Hicks@utrgv.edu

Associate Director- School of Earth,

Dr. Hudson DeYoe

Hudson.Deyoe@utrgv.edu

Academic Coordinator

**Environmental Science-**

School of Earth, Environmental,

and Marine Sciences

Dr. Juan L. Gonzalez

juan.l.gonzalez@utrgv.edu

**Department Contact:** 

956-882-5040 <u>seems@utrgv.edu</u>

**Environmental, and Marine Sciences** 

Hydrologic Systems	CEOL 3402
American History (Core)	τ əsooyጋ
γήqergoneeoO	GEOL 3405
Information Systems	2073708
Introduction to Geographic	
Science Conc. Elective	
ne900 bne dtre3 rojeM 23	t əsood)
American History (Core)	т эгоочЭ
ES Major Earth and Ocean Science Conc. Elective	τ əsooyጋ
General Physics I	ርሳታ፤ ያንዘዋ
Research Methodology and Data Analysis in Environmental Sciences	ENVR 3303
MAD 1 UM	

## SECOND YEAR

Supporting Science	τ
Government/Political Science (Core)	т эгоодЭ
Elementary Statistical Methods	2451 HTAM
General Chemistry I Lab	СНЕМ ТТТТ
General Chemistry l	СНЕМ 1311
Environment and Society	ЕИЛК 2302
l sulusieS	6142 HTAM
Government/Political Science (Core)	t əsood)
Language, Philosophy & Culture (Core)	τ əsooyጋ
l ygoloi8 Ierened	BIOL 1406
Earth System Science	ENVR 2301
A REAL PROPERTY AND A REAL	and the second se

Creative Arts (Core) T SOOUJ sninoleO 2142 HTAM -919 AD and Belege Alegbra OR Pre-Environmental Science II **ENVR 1402** Introduction to Communication (Core) Choose 1 Learning Framework TOET VINU Sciences (Core) T asoou Social and Behavioral Ρηγείζαι Geology **CEOL 1403** Environmental Science I ENVR 1401 Introduction to (Sommunication (Core) T 920040

ACADEMIC PLAN

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The multidisciplinary Bachelor of Science degree in Environmental Science prepares graduates for careers at local, state and federal government agencies, non-profit organizations, and environmental consulting firms. Additionally, graduates of this program are prepared to continue onto graduate studies in order to pursue research and scholarship opportunities. The program core focuses on key environmental issues while the restricted electives allow the students to choose to focus on areas of interest to the individual student.



#### **FIRST YEAR**

#### **SECOND YEAR**

THIRD YEAR	<b>A</b> R
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MILESTONES	<ul> <li>UTRGV has a Writing Center and a Learning Center. Make it a point to visit them!</li> <li>Complete your core English classes (section 010) during your first year.</li> <li>Complete 30 credit hours every year in order to graduate in 4 years.</li> <li>Shoot for a GPA of 4.0!</li> <li>Take MATH 1314, College Algebra in your first year.</li> </ul>	<ul> <li>Shoot for a GPA of 4.0!</li> <li>Complete major foundation classes, such as Earth System Science ENVR 2301.</li> <li>Complete 30 credit hours.</li> <li>Apply to the Environmental Science Program.</li> </ul>	<ul> <li>Shoot for a GPA of 4.0!</li> <li>Complete 30 credit hours.</li> <li>Have you landed an internship or acquired research experience? This is the year to make it happen.</li> </ul>	<ul> <li>Shoot for a GPA of "I have a plan for great! If not, visit</li> <li>Complete at least</li> <li>Submit your appliapprenticeship, of</li> </ul>
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SUPPORT	<ul> <li>Visit a faculty member during their office hours and ask many questions about classes.</li> <li>Classes fill up fast. When registration opens, be sure to register on the first day for your group.</li> <li>Cold or flu getting you down? We have Student Health Services on campus with free office visits.</li> </ul>	<ul> <li>Visit the Communication Hauser Lab for help with your speeches.</li> <li>Trouble making your tuition payment? The Financial Aid Office can help. Payment plans and emergency loans are also available</li> </ul>	<ul> <li>for graduation next year.</li> <li>Apply for internship and/or job shadowing opportunities. Discuss this with your advisor, faculty mentor, or Career Center.</li> </ul>	that includes emp Apply for graduat date. Visit the Aca on track.
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### UTRio Grande Valley

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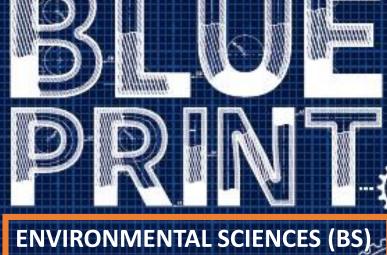
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- ormation with Alumni Relations. Enjoy events and continued access to Career
- do your exit loan counseling on

### **CAREERS**

- Soil and water
- conservation
- Land use planning
- Waste disposal
- Environmental
- Reclamation of
- contaminated lands
- Landfill operation and
- monitoring
- Agrichemical
- management
- Fertilizer technology
- Agricultural production: food and fiber
- Research
- Education
- **Environmental Protection** Agency
- Natural Resource
- **Conservation Service**
- Department of Agriculture
- Department of Health and Human Services
- **Environmental Protection** Agency
- Natural Resource **Conservation Service**
- Fish and Wildlife Service
- **Department of** Agriculture

\*Environment and Society **COLLEGE OF SCIENCES** 

Concentration ...... Catalog: 2017-18



### UTRio Grande Valley

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ES Major Environment and Society Conc. Elective	τ
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ES Major Environment and Society Conc. Elective	τ
V.S. Environmental Policy	POLS 4356
Supporting Science	t ssood)
ES Major Environment and Society Conc. Elective	τ əsooyጋ

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ES Major Environment and Society Conc. Elective	τ əsooyጋ
Supporting Science	τ
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Introduction to Geographic Information Systems	6EOL 3408
General Physics I or Physics for Scientists and Engineers I	5452 6HAS 1401 ol
Free Advanced Elective	33XX-43XX
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ES Major Environment and Society Conc. Elective	τ əsooyጋ
kesearch Methodology and Data Analysis in Environmental Sciences	<b>ЕИЛ</b> В 3303

## SECOND YEAR

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τ əsooyጋ	Government/Political Science (Core)
т эгоочЭ	Creative Arts (Core)
СНЕМ 1111	General Chemistry I Lab
СНЕМ ТЗТТ	General Chemistry I
ENVR 2302	Fnvironment and Society
т эгоодЭ	American History (Core)
τ əsooqጋ	Government/Political Science (Core)
2451 HTAM	Elementary Statistical Methods
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ENVR 2301	Earth System Science

NATH 2412 Calculus -919 AD 61689 A 989100 TO 4121 HTAM American History (Core) T 920040 ฐกากรอ่า Choose 1 Integrative and Experiential Environmental Science II **ENVR 1402** Introduction to (Sommunication (Core) T SOOUJ Learning Framework τοέτ λινύ Sciences (Core) τ әѕоочэ Social and Behavioral γβοίοθο Ιερίεγη **CEOL 1403** Environmental Science I ENVR 1401 Introduction to Communication (Core) τ əsooy⊃

ACADEMIC

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\*Environmental Biology Catalog: 2017-18

**ENVIRONMENTAL SCIENCES (BS) COLLEGE OF SCIENC** 



### UTRio Grande Valley

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Εςοίοgy	BIOL 3409
American History (Core)	τ эгоодЭ
General Physics I or Physics for Scientists and Engineers I	5452 6HX8 1401 or
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American History (Core)	τ
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General Chemistry I Lab	СНЕМ 1111
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1 0000 40	ES Major Environmental
BIOL 3420	Environmental Biology
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**Environmental, and Marine Sciences** 

# SECOND YEAR

BIOU	Science (Core)	Ţ əsooyጋ
	Government/Political	200040
ооцЭ	Creative Arts (Core)	τ əsooy⊃
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<b>GEOL</b>	Science (Core)	t əsood)
СНЕМ	Government/Political	
CHENA	Learning Option (Core)	т эгоочЭ
СНЕМ	Integrative/Experiential	
ЕИЛВ	General Biology I	810F 7 <del>4</del> 09
	Earth System Science	ENVR 2301
		2TC

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		Elementary Statistical
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ADE	t əsood)	Communication (Core)
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	t ssood)	(Sommunication (Core)
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UTRio Grande Valley

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- conservation
- Land use planning
- Waste disposal
- Environmental
- Reclamation of
- contaminated lands
- Landfill operation and
- monitoring
- Agrichemical
- management
- Fertilizer technology
- Agricultural production: food and fiber
- Research
- Education
- **Environmental Protection** Agency
- Natural Resource
- **Conservation Service**
- Department of Agriculture
- Department of Health and Human Services
- **Environmental Protection** Agency
- Natural Resource **Conservation Service**
- Fish and Wildlife Service
- **Department of** Agriculture

\*Environmental Chemistry Catalog: 2017-18 ...... **COLLEGE OF SCIENCES** 

**ENVIRONMENTAL SCIENCES (BS)** 



### UTRio Grande Valley

SECOND YEAR

### **AAAY OAIHT**

**Contact Info** 

**Director- School of Earth,** 

**Environmental, and Marine Sciences** 

Dr. David Hicks

David.Hicks@utrgv.edu

Associate Director- School of Earth,

Dr. Hudson DeYoe

Hudson.Deyoe@utrgv.edu

Academic Coordinator

**Environmental Science-**

School of Earth, Environmental,

and Marine Sciences

Dr. Juan L. Gonzalez

juan.l.gonzalez@utrgv.edu

**Department Contact:** 

956-882-5040 seems@utrgv.edu

**Environmental, and Marine Sciences** 

Environmental Chemistry	CHEW 3407
Chemistry Conc. Elective	т эгоодЭ
ES Major Environmental	1030040
Free Advanced Elective	34XX-44XX
American History (Core)	τ əsooyጋ
Chemistry Conc. Elective	
letnemnorivn∃ rojeM 23	τ
Organic Chemistry I Lab	CHEW 5753
Organic Chemistry I	CHEW 2323
letnəmnorivn∃ ni sizylenA	<b>ЕИЛ</b> В 3303
Research Methodology and Data	
American History (Core)	ұ әѕоо <mark>ч</mark> Э
Learning (core)	т эгоочЭ
laitneireq Experiential	

33XX-43XX	Free Advanced Elective
33XX-43XX	Free Advanced Elective
£ эгоояЭ	ES Major Environmental Chemistry Conc. Elective
£ эгоояЭ	ES Major Environmental Chemistry Conc. Elective
6EOL 3408	Introduction to Geographic Information Systems
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t əsood)	ES Major Environmental Chemistry Conc. Elective

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To graduate, students must have an overall

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Environmental Chemistry, Environmental

Biology, Interdisciplinary Environmental

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requirement.

GPA of 2.0.

sequences. Some of the major foundational

Creative Arts (Core)	t əsood)
Government/Political Science (Core)	т эгоонЭ
l zreanign∃ bns stsitneio2	5425
General Physics I or Physics for	PHYS 1401 or
General Chemistry II Lab	СНЕМ 1112
General Chemistry II	CHEW 1315
Environment and Society	ENVR 2302
l sulusia	6142 HTAM
Government/Political Science (Core)	t əsood)
γβοίοθο Ιερίεγη	GEOL 1403
Earth System Science	ENVR 2301

The multidisciplinary Bachelor of Science degree in Environmental Science prepares graduates for careers at local, state and federal government agencies, non-profit organizations, and environmental consulting firms. Additionally, graduates of this program are prepared to continue onto graduate studies in order to pursue research and scholarship opportunities. The program core focuses on key environmental issues while the restricted electives allow the students to choose to focus on areas of interest to the individual student.

### **Degree Info**

## **AAAY TZAIA**

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	£ эгоодЭ	Language, Philosophy & Culture (Core)
	СНЕМ 1111	General Chemistry I Lab
AC	СНЕМ ТЗТТ	General Chemistry I
CAD	ENVR 1402	Introduction to Environmental Science II
	т эгоочЭ	(Sommunication (Core)
EMIC	τοετ λινη	Learning Framework
	BIOL 1406	l ygoloig lenənəd
PLAN	т эгоонЭ	Social and Behavioral Sciences (Core)
Ź	70 4151 HTAM 2145 HTAM	suluɔlsƏ-ər9 AO sıdgəlA əgəlloƏ
	еил <i>в</i> 1401	Introduction to Environmental Science I
	τ	(Sommunication (Core)



UTRio Grande Valley

#### **FIRST YEAR**

#### **SECOND YEAR**

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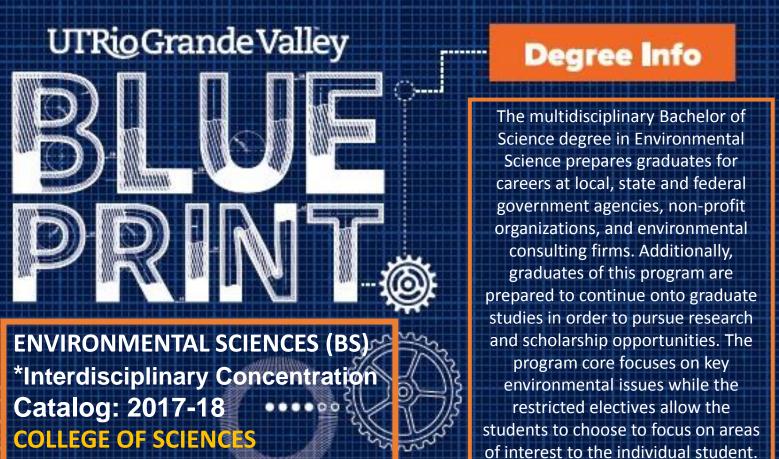
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- Land use planning
- Waste disposal
- Environmental
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- contaminated lands
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- Agrichemical
- management
- Fertilizer technology
- Agricultural production: food and fiber
- Research
- Education
- **Environmental Protection** Agency
- Natural Resource
- **Conservation Service**
- Department of Agriculture
- Department of Health and Human Services
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- Natural Resource **Conservation Service**
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Catalog: 2017-18



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Supporting Science	t sood)
ES Major Interdisciplinary	т эгоочЭ
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Free Advanced Elective	33XX-43XX
ES Major Interdisciplinary	τ əsooyጋ
ES Major Interdisciplinary	т эгоочЭ
General Physics I or Physics for Scientists and Engineers I	or 2425 PHYS 1401
Free Advanced Elective	33XX-43XX

### **THIRD YEAR**

**Contact Info** 

**Director- School of Earth.** 

**Environmental, and Marine Sciences** 

**Dr. David Hicks** 

David.Hicks@utrgv.edu

Associate Director- School of Earth,

Dr. Hudson DeYoe

Hudson.Deyoe@utrgv.edu

**Academic Coordinator** 

**Environmental Science-**

School of Earth, Environmental,

and Marine Sciences

Dr. Juan L. Gonzalez

juan.l.gonzalez@utrgv.edu

**Department Contact:** 

956-882-5040

seems@utrgv.edu

**Environmental, and Marine Sciences** 

Environmental Ethics	<b>ЕИЛ</b> В 3302
American History (Core)	τ əsooyጋ
Free Advanced Elective	34XX-44XX
Introduction to Geographic Information Systems	6EOL 3408
ES Major Interdisciplinary Environmental Science Conc. Elective	τ əsooyጋ
Integrative/Experiential Learning Option (Core)	t əsood)
American History (Core)	τ əsooqጋ
General Chemistry I Lab	СНЕМ ТТТТ
General Chemistry I	СНЕМ ТЗТТ
Research Methodologyand Data Analysis in Environmental Sciences	<b>ЕИЛ</b> В 3303

## SECOND YEAR

	Conservation		
	Natural Resources	ENVR 3301	
	Science (Core)	τ əsooqጋ	
	Government/Political		
	spodteM	2451 HTAM	
	Elementary Statistical	CUCUTIEVU	
	Supporting Science	t əsood)	
	Society		
	bns fnemnorivn3	ENVR 2302	
	l sulusis	5142 HTAM	
	Science (Core)	τ əsooqጋ	
	Government/Political		
	Culture (Core)		
	& Ydqosolid9 ,9geugneJ	τ əsooyጋ	
	General Biology I	BIOL 1406	
	Earth System Science	ENVR 2301	



## **AAAY TZAIA**



#### **FIRST YEAR**

#### **SECOND YEAR**

THIRD YEAR	R
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### UTRio Grande Valley

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#### ved your acceptance for graduate school or offer? If not, network: talk to faculty, the and get on LinkedIn.

- implement a strategy for life after end career fairs, graduate fairs, apply to
- formation with Alumni Relations. Enjoy events and continued access to Career
- do your exit loan counseling on

### **CAREERS**

- Soil and water
- conservation
- Land use planning
- Waste disposal
- Environmental
- Reclamation of
- contaminated lands
- Landfill operation and
- monitoring
- Agrichemical
- management
- Fertilizer technology
- Agricultural production: food and fiber
- Research
- Education
- **Environmental Protection** Agency
- Natural Resource
- **Conservation Service**
- Department of Agriculture
- Department of Health and Human Services
- **Environmental Protection** Agency
- Natural Resource **Conservation Service**
- Fish and Wildlife Service
- **Department of** Agriculture