

Program Change Request

Date Submitted: 09/06/18 2:50 pm

Viewing: **BS-ENST : Environmental Studies - BS**

Last approved: 04/27/18 1:56 pm

Last edit: 11/08/18 8:20 pm

Changes proposed by: semurdock

Catalog Pages Using [Environmental Studies - BS](#)
this Program

Contact(s)

Name	E-mail	Phone
Sam Murdock	murdock@tamu.edu	9798452388

Academic level Undergraduate
 Effective Term 2019-2020
 Department Plant Pathology & Microbiology
 College Agriculture & Life Sciences
 Program type Degree
 Degree designation BS - Bachelor of Science
 With a major in Environmental Studies (ENST)
 Associated Program **Not Applicable**
 Catalog Program Title
 Environmental Studies - BS
 CIP and Fund code 03010300

Rationale for Proposal

Updating CHEM course numbers and ICD/CD requirement. 04.27.2018 – edits made to program to remove ENTO 313 and ENTO 315 which have been inactivated effective Fall 2018. –sw

Program hours **120**

Is this program eligible for financial aid?

Will program hours change (increase/decrease) due to the proposed curriculum changes? No

Program delivery mode

On-campus

In Workflow

1. **PLPM Department Head**
2. **Curricular Services Review**
3. **AG Committee Preparer UG**
4. **AG Committee Chair UG**
5. **AG College Dean UG**
6. **UCC Preparer**
7. **UCC Chair**
8. **Faculty Senate Preparer**
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services

Approval Path

1. 09/06/18 2:50 pm
Won Bo Shim (wbshim): Approved for PLPM Department Head
2. 09/07/18 4:18 pm
Angel Mario Carrizales (carri1214): Approved for Curricular Services Review
3. 09/10/18 8:28 am
Dawn Kerstetter (dkerstetter): Approved for AG Committee Preparer UG
4. 10/05/18 9:49 am
Bob Knight (bob-knight): Approved for AG Committee Chair UG
5. 10/05/18 9:57 am
Dawn Kerstetter (dkerstetter): Approved for AG College Dean UG
6. 10/08/18 1:54 pm
Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 11/05/18 3:09 pm
Sandra Williams (sandra-williams): Approved for UCC Chair

History

1. Apr 27, 2018 by Sandra Williams (sandra-williams)

Catalog Program Requirements

Code	Title	Semester Credit Hours
Required Courses		
BESC 201	Introduction to Bioenvironmental Sciences	3
BESC 367	U.S. Environmental Regulations	3
BESC 481	Seminar	1
BESC 484	Field Experience	3
BIOL 101	Botany	4
or BIOL 111	or Introductory Biology I	
CHEM 101	Course CHEM 101 Not Found	1
& CHEM 111	and Fundamentals of Chemistry Laboratory I	
CHEM 119	Fundamentals of Chemistry I	4
ESSM 309	Forest Ecology	3
ENGL 104	Composition and Rhetoric	3
Select one of the following:		
ESSM 351/REN 405	Geographic Information Systems for Resource Management	
REN 405/ESSM 351	Geographic Information Systems for Resource Management	
REN 470	Environmental Impact Assessment	
GEOG 201	Introduction to Human Geography	3
GEOG 203	Planet Earth	3
GEOG 213	Planet Earth Lab	1
GEOG 304	Economic Geography	3
REN 205	Fundamentals of Ecology	3
REN 375	Conservation of Natural Resources	3
SCSC 301	Soil Science	4
STAT 303	Statistical Methods	3
WFSC 301	Wildlife and the Changing Environment	3
American history elective 1		6
Communication elective 1		6
Creative arts elective 1		3
Environmental policy elective		15
Select five of the following in consultation with academic advisor:		
AGEC 344	Food and Agricultural Law	
AGEC 350	Environmental and Natural Resource Economics	
AGEC 429	Agricultural Policy	
AGSM 355	Energy and Conversion Systems	
BESC 314	Pathogens, the Environment and Society	
BESC 357	Biotechnology for Biofuels and Bioproducts	
ECON 202	Principles of Economics	
ECON 203	Principles of Economics	
ECON 323	Microeconomic Theory	
ECON 412	Public Finance	
ECON 435	Economics of Resource Scarcity	
ENTO 210	Global Public Health Entomology	
ENTO 431/FIVS 431	The Science of Forensic Entomology	
GEOG 401	Political Geography	
GEOG 406	Geographic Perspectives on Contemporary Urban Issues	
PHIL 205	Technology and Human Values	
PHIL 314	Environmental Ethics	
URPN 202	Building Better Cities	
URPN 460	Sustainable Communities	
POLS 229	Introduction to Comparative Politics	
POLS 231	Introduction to World Politics	
POLS 306	Contemporary Political Problems and Issues	
POLS 340	Introduction to Public Administration	
POLS 342	Politics and Bureaucracy	
POLS 347	Politics of Energy and the Environment	
POLS 440	Public Policies and Policymaking	
POLS 461	Jurisprudence	
SOCL 312	Population and Society	
SOCL 328	Environmental Sociology	
WFSC 303	Fish and Wildlife Laws and Administration	
Government/Political science elective 1		6
Language, philosophy and culture elective 1		3
Mathematics elective 1		6

Code	Title	Semester Credit Hours
Natural resources elective		12
Select four of the following in consultation with academic advisor:		
AGSM 301	Systems Analysis in Agriculture	
AGSM 337	Technology for Environmental and Natural Resource Engineering	
BESC 204	Molds and Mushrooms: The Impact of Fungi on Society and the Environment	
BESC 320	Water and the Bioenvironmental Sciences	
BESC 401	Bioenvironmental Microbiology	
BESC 403	Sampling and Environmental Monitoring	
ENTO 201	General Entomology	
ENTO 320	Honey Bee Biology	
ENTO 403	Urban Entomology	
ENTO 424	Insect Ecology	
FRSC 421	Urban Forestry	
HORT 301	Garden Science	
POSC 427	Animal Waste Management	
RENR 410	Ecosystem Management	
RPTS 316	Recreational Management of Wildlands	
RPTS 426	Tourism Impacts	
RPTS 460/RENR 460	Nature, Values, and Protected Areas	
WFSC 304	Wildlife and Fisheries Conservation	
WFSC 403	Animal Ecology	
WFSC 405	Urban Wildlife and Fisheries	
WFSC 418	Ecology of the Coastal Zone	
WFSC 420	Ecology and Society	
Social and behavioral science elective	1	3
Free electives		10
Total Semester Credit Hours		120

1The Graduation requirements include a requirement for three hours of international and cultural diversity courses and three hours of cultural discourse courses. A course satisfying a Core category, a college/department requirement, or a free elective can be used to satisfy this requirement. See academic advisor. A minimum of 120 semester hours will be required for a BS degree.

Additional information	Corrected Communications Core Curriculum requirement to ANY 6 hours (we do not require ENGL 104 specifically). 04.27.2018 - edits made to program to remove ENTO 313 and ENTO 315 which have been inactivated effective Fall 2018. -sw
Required Proposal Forms	ENST Degree Program (2019 Catalog Update).pdf
Reviewer Comments	Sandra Williams (sandra-williams) (11/05/18 3:09 pm): UCC approved November 2018.

Key: 111


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Detail Requirements

Samuel E. Murdock
Sep 06, 2018 02:33 pm

Viewing: [Degree Evaluation \(DEGEVAL, , Email\)](#)
[Change Student](#)

Information for Degree Evaluation

 This is NOT an official evaluation.

Print Instructions

Program Evaluation

Limitation - Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation - Combination: Maximum combination of 18 hours of 481, 482, 485, and/or 491 courses may be used for an undergraduate degree.

Program :	BS ENST [Agr & Life Science]	Catalog Term :	Fall 2018 - College Station
Campus :	College Station	Evaluation Term :	Fall 2018 - College Station
College :	Agriculture & Life Sciences	Expected Graduation Date :	
Degree :	Bachelor of Science	Request Number :	238
Level :	Undergraduate	Results as of :	Sep 06, 2018
Majors :	Environmental Studies	Minors :	
Departments :	Plant Pathology & Microbiology	Concentrations :	

	Met Credits		Courses	
	Required	Used	Required	Used
Total Required :	No	120.000	0.000	0
Program GPA :	Yes	.00	.00	
Overall GPA :	No	2.00	.00	
Other Course Information				
Transfer :			0.000	0

This is NOT an official evaluation.

Area : Major Coursework (26.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Subject	Course Title	Attribute	Credits
No		A.	BESC	367								
No	AND	B.	ESSM	309								
No	AND	C.	RENR	205								
No	AND	D.	RENR	375								
No	AND	E.	WFSC	301								
No	AND	F.	SCSC	301								
No	AND	G.	Environmental Impact Rqmt 3hrs									
			Select from RENR 405, 470; ESSM 351.									
No	AND	H.	BESC	484								
No	AND	I.	BESC	481								

Total Credits and GPA 0.000

unofficial evaluation

Area : Supporting Coursework (37.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
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No		A.	Environment Policy Elect		15hrs			Select from AGECE 344, 350, 429; ECON 202, 203, 323, 412, 435; ESSM 406; GEOG 401, 406; PHIL 205, 314; POLS 229, 231, 340, 342, 347, 440; SOCI 312, 328; WFSC 303; AGSM 355; BESC 314, 357; ENTO 210, 341; URPN 202, 460.					
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No	AND	B.	GEOG 201										
No	AND	C.	GEOG 203										
No	AND	D.	GEOG 304										
No	AND	E.	Natural Resource Elect		12hrs			Select from AGSM 301, 337; BESC 204, 320, 401, 403; ENTO 403, 424; ESSM 309; POSC 427; RENR 410; ESSM 301, 320, 444; RPTS 316, 426, 460; WFSC 304, 403, 405, 418, 420; ENTO 201, 320; HORT 301.					

Total Credits and GPA 0.000

unofficial evaluation

Area : Communication (6.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
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No		A.	ENGL 104										
No	AND	B. A.	Communication Rqmt		3hrs 6 hrs.			Select from any course with the Communication attribute [KCOM].					

Total Credits and GPA 0.000

unofficial evaluation

Area : Mathematics (9.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
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No		A.	Mathematics Rqmt I		3hrs			Select from any course with the Mathematics attribute [KMTH].					
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No	AND	B.	Mathematics Rqmt II		3hrs			Select from any course with the Mathematics attribute [KMTH].					
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No	AND	C.	Statistics Rqmt		3hrs			Select from STAT 211, 301, 302, 303.					
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Total Credits and GPA 0.000

unofficial evaluation

Area : Life and Physical Sciences (11.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
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No		A.	Biology Rqmt		4hrs			Select from BIOL 101, 111.					
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No	AND	B.	Chemistry Rqmt		4hrs								
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4hrs Take CHEM ~~101, 111~~ 119

No AND C. BESC 201

Total Credits and GPA 0.000

unofficial evaluation

Area : Language, Philosophy & Culture (3.000 credits) - Not Met

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Credits Courses

No A. Lang, Phil, Culture Rqmt 3hrs

Select any course with the Language, Philosophy and Culture attribute [KLPC].

Total Credits and GPA 0.000

unofficial evaluation

Area : Creative Arts (3.000 credits) - Not Met

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Credits Courses

No A. Creative Arts Requirement 3hrs

Select three hours from any course with the Creative Arts attribute [KCRA].

Total Credits and GPA 0.000

unofficial evaluation

Area : Social and Behavioral Sciences (3.000 credits) - Not Met

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Credits Courses

No A. Social Science Rqmt 3hrs

Select from courses with the Social and Behavioral Science attribute [KSOC].

Total Credits and GPA 0.000

unofficial evaluation

Area : Citizenship (12.000 credits) - Not Met

Description : Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

Met Condition Rule Subject Attribute Low High Required Required Term Subject Course Title Attribute Credits Credits Courses

No A. American History Rqmt 6hrs

Select from any course with the [KHIS] attribute.

No AND B. Political Science Rqmt 6hrs

Take POLS 206 and POLS 207.

Total Credits and GPA

unofficial evaluation

Area : General Electives (10.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
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No	A.		General Electives	10hrs									
			Select from any course not used elsewhere (Except CAEX 100-499; DEVS 100-499).										

Total Credits and GPA 0.000

unofficial evaluation

Area : Work Not Applied - Met

Description : See advisor for acceptable substitutions.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
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No	A.		Courses not applied										
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Total Credits and GPA

unofficial evaluation

Area : University Writing Requirement - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
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No	A.		Writing Requirement										
			Two courses required. Only sections of BESC 484; ESSM 406; WFSC 304 with the Writing attribute [UWRT] or sections of BESC 481 with the Oral Communication attribute [UCRT] may be used to satisfy this requirement.										

Total Credits and GPA 0.000

unofficial evaluation

Area : Int'l & Cult Diversity - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
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No	A.		Int'l & Cultural Diversity				3hr						
			Select from courses with the International and Cultural Diversity attribute [UICD] (except sections of BUSN 289 with the UWRT attribute).										

B. Cultural Discourse 3 hr

Total Credits and GPA 0.000

unofficial evaluation

Area : Foreign Language - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
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No	A.		Foreign Language Rqmt										
			Complete one of the following: 1. Two years of the same foreign language in High School. 2. A two semester sequence of the same foreign language for University credit.										

Total Credits and GPA 0.000

unofficial evaluation

Area : Residence Requirement - Not Met

Description : A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	C
No	A.	Residence-Major	12hrs					Select 12hrs from AGSM 301, 337; BESC 367, 401, 403; ENTO 320, 357, 367, 403, 424, 481, 484; ESSM 301, 309, 319, 320, 351, 444; FRSC 421; POSC 427; RENR 375, 405, 410, 444, 470; RPTS 316, 426, 460; SCSC 301; WFSC 301, 403, 405.					
No	AND	B.	Residence 300-499	24hrs				Select 24hrs from any 300-400 level course at Texas A&M University.					

Total Credits and GPA

unofficial evaluation

Area : GPR-Major - Not Met

Description : A minimum GPR of 2.000 is required in all major field of studies courses.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	C
No	A.	Major GPR	28+hrs					Includes AGECE 484; BESC 201, 367, 484; ENTO 484; ESSM 309; FRSC 304, 461, 484; RENR 205, 375, 405, 470; RPTS 484; SCSC 301, 484; WFSC 301, 405, 484.					

Total Credits and GPA

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