

Program Change Request

Date Submitted: 07/20/18 10:17 am

Viewing: **BS-RLEM-RRO+ : Rangeland Ecology and Management - BS, Rangeland Resources Option**

Last edit: 10/01/18 8:27 am

Changes proposed by: bob-knight

Catalog Pages Using this Program [Rangeland Ecology and Management - BS, Rangeland Resources Option](#)

Contact(s)

Name	E-mail	Phone
Bob Knight	bob-knight@tamu.edu	979-845-5557

Academic level **Undergraduate** ~~Undergraduate-Graduate~~

Effective Term 2019-2020

Department Ecosystem Science & Mgmt

College Agriculture & Life Sciences

Program type Degree w/Concentration

Degree designation BS - Bachelor of Science

With a major in Rangeland Ecology & Management (RLEM)

With a concentration in Rangeland Resources (RRO+)

Catalog Program Title Rangeland Ecology and Management - BS, Rangeland Resources Option

CIP and Fund code 01110600

Rationale for Proposal

Program hours **120**

Is this program eligible for financial aid? **Yes**

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

Program delivery mode **On-campus**

In Workflow

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

Approval Path

1. 07/20/18 11:06 am Mort Kothmann (m-kothmann): Approved for ESSM Reviewer UG
2. 08/20/18 1:38 pm Cliff Lamb (gclamb): Approved for ESSM Department Head
3. 08/21/18 5:57 pm Angel Mario Carrizales (carri1214): Approved for Curricular Services Review
4. 08/22/18 7:50 am Dawn Kerstetter (dkerstetter): Approved for AG Committee Preparer UG
5. 09/17/18 10:36 am Bob Knight (bob-knight): Approved for AG Committee Chair UG
6. 09/17/18 10:44 am Dawn Kerstetter (dkerstetter): Approved for AG College Dean UG
7. 09/17/18 1:19 pm Sandra Williams (sandra-williams): Approved for UCC Preparer
8. 10/08/18 11:18 am Sandra Williams (sandra-williams): Approved for UCC Chair

Catalog Program Requirements

Code	Title	Semester Credit Hours
Ecosystem Science and Management Core Courses		
ESSM 201	Exploring Ecosystem Science and Management	1
ESSM 281	Seminar in Ecosystem Science and Management	1
ESSM 301	Wildland Watershed Management	3
ESSM 306	Plant Functional Ecology and Adaptation	3
or ESSM 311	or Biogeochemistry and Global Change	
ESSM 313	Vegetation Sampling Methods and Designs in Ecosystems	3
ESSM 351/RENR 405	Geographic Information Systems for Resource Management	3
ESSM 481	Senior Seminar	1
RENR 205	Fundamentals of Ecology	3
SCSC 301	Soil Science	4
Rangeland Ecology and Management Core Courses		
ESSM 302	Wildland Plants of North America	3
ESSM 303	Agrostology	3
or ESSM 304	or Rangeland Plant Taxonomy	
ESSM 314	Principles of Rangeland Management Around the World	3
ESSM 315	Rangeland Inventory and Monitoring	1
ESSM 316	Range Ecology	3
ESSM 317	Vegetation Management	3
ESSM 415	Range Analysis and Management Planning 1	4
or RENR 410	or Ecosystem Management	
Rangeland Resources Option		
SCSC 310	Soil Morphology and Interpretations	2
Select two from:		6
AGEC 325	Principles of Farm and Ranch Management	
AGEC 350	Environmental and Natural Resource Economics	
ESSM 318	Coupled Social and Ecological Systems	
ESSM 404	Changing Natural Resource Policy	
ESSM 406	Natural Resources Policy	
RENR 470	Environmental Impact Assessment	
Directed electives 1		23
Electives		5
University Core Curriculum		
AGEC 105	Introduction to Agricultural Economics	3
CHEM 119	Fundamentals of Chemistry I	4
RENR 215	Fundamentals of Ecology--Laboratory	1
Select one from:		4
BIOL 101	Botany	
BIOL 113	Essentials in Biology	
HORT 201	Horticultural Science and Practices	
& HORT 202	and Horticultural Science and Practices Laboratory	
CHEM 101	Course-CHEM 101 Not Found	4
& CHEM 111	and Fundamentals of Chemistry Laboratory I	
American history electives 2		6
Communication electives 2		6
Creative arts elective 2		3
Government/Political science electives 2,3		6
Language, philosophy and culture elective 2		3
Mathematics electives		6
Total Semester Credit Hours		120

1 To be selected in consultation with an advisor.

2 The Graduation requirements include a requirement for 3 hours of international and cultural diversity courses and 3 hours 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.

3 Credit by examination may be used to substitute for 3 hours of [POLS 206](#) or [POLS 207](#).

Additional information

Required Proposal [BS Rangeland Resources.pdf](#)

Forms

Reviewer Comments **Sandra Williams (sandra-williams) (07/26/18 3:55 pm):** Adjusted workflow.
Sandra Williams (sandra-williams) (10/08/18 11:18 am): UCC approved October 2018.


[Print](#)

Detail Requirements

Robert W. Knight
Jul 20, 2018 09:41 am

Viewing: Degree Evaluation (DEGEVAL, , Email)
Change Student
Return to Graduate Committee Student Selection

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 RLEM-Rangeland Resources	Catalog Term :	Fall 2017 - College Station
Campus :	College Station	Evaluation Term :	Fall 2018 - College Station
College :	Agriculture & Life Sciences	Expected Graduation Date :	
Degree :	Bachelor of Science	Request Number :	6
Level :	Undergraduate	Results as of :	Jul 20, 2018
Majors :	Rangeland Ecology & Management	Minors :	
Departments :	Ecosystem Science & Mgmt	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 (21.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits
No		A.	ESSM 201											
No	AND	< B.	ESSM 301											
No	AND	D.	ESSM 306 or 311											
No	AND	B.	ESSM 313											
No	AND	F.	ESSM 351											
No	AND	G.	ESSM 481											
No	AND	H.	REN205											
No	AND	I.	SCSC 301											

B ESSM 281 Seminar in Ecosystem Science and Management

Total Credits and GPA 0.000

unofficial evaluation

Area : Life and Physical Sciences (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.	CHEM 101, 111 ¹¹⁹ 4hrs Take CHEM 101, 111 ¹¹⁹ .										
No	AND	B.	Science Rqmt Select from BIOL 101, 113; HORT 201/202.										
No	AND	C.	RENR 215										

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 Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
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No		A.	Lang, Phil, Culture Rqmt 3hrs Select any course with the Language, Philosophy and Culture attribute [KLPC].										
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Total Credits and GPA 0.000

unofficial evaluation

Area : Creative Arts (3.000 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.	Creative Arts Requirement 3hrs Select three hours from any course with the Creative Arts attribute [KCRA].										
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Total Credits and GPA 0.000

unofficial evaluation

Area : Social and Behavioral Science (3.000 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.	AGEC 105										
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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 Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
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No		A.	American History Rqmt 6hrs Select from any course with the [KHIS] attribute.										
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No	AND	B.	Political Science Rqmt 6hrs Take POLS 206 and POLS 207.										
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Total Credits and GPA

unofficial evaluation

Area : General Electives (6.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
No	A.		General Electives	6hrs									
<p>Select from any course 100-499</p>													
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
No	A.		Courses not applied										
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
No	A.		Writing Requirement										
<p>Two courses required. Only sections of ESSM 315, 405, 406, 415, 430, 462, 491; REN 410 the Writing attribute [UWRT] may be used to satisfy this requirement.</p>													
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
No	A.		Int'l & Cultural Diversity	3hr									
<p>Select from courses with the International and Cultural Diversity attribute [UICD] (except sections of BUSN 289 with the UWRT attribute).</p>													
Total Credits and GPA												0.000	

CULTURAL DISCOURSE 3hr

unofficial evaluation

Area : Foreign Language - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
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 (36.000 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.	Residence - Major	12hrs									
			Select from ESSM 300-499; RENR 410.										

No	AND	B.	Residence 300-499	24hrs									
			Select from any 300-400 level course at Texas A&M.										

Total Credits and GPA 0.000

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	Credits
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No		A.	Major GPR	31+hrs									
			Includes ESSM 100-499; RENR 205, 215.										

Total Credits and GPA

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