



Agricultural Sciences

#5 Plan cycle - 5
Plan cycle 2021/2022
7/1/21 - 6/30/22

Major	Conc.	F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP
AGSC	AGBU	1	3	9	18	31	2	14	14	14	24	66	9	10	15	13	21	59	7
	AGED	0	0	1	1	2	0	4	1	5	3	13	1	1	5	4	3	13	0
	ANSC	0	1	7	4	12	1	13	10	13	10	46	3	9	12	12	11	44	4
	DIET	0	1	0	4	5	0	0	1	4	10	15	0	0	0	3	8	11	2
	EQSC	0	1	0	2	3	1	2	3	0	2	7	1	1	1	0	1	3	0
	FNTS	0	0	0	0	0	0	0	0	1	1	2	0	0	1	0	2	3	0
	GAGR	2	1	4	7	14	2	10	5	7	11	33	5	6	2	6	11	25	2
	NTRS	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1	0
	NUDT	0	2	0	3	5	0	9	10	3	9	31	0	8	10	3	14	35	4
	PVET	1	6	4	7	18	1	37	21	16	9	83	1	24	19	15	17	75	7
	(blank)	1	1	1	0	3	0	0	3	1	0	4	0	0	2	1	0	3	0
Total	5	16	26	46	93	7	89	68	65	79	301	20	59	67	58	88	272	26	
NFSC	DIET	0	0	0	0	0	0	0	0	2	2	0	0	0	0	1	1	1	
NRCM	EVED	0	0	1	0	1	0	0	0	2	0	2	0	0	0	0	0	0	
	(blank)	1	1	7	8	17	1	8	7	10	13	38	1	7	6	8	17	38	
	Total	1	1	8	8	18	1	8	7	12	13	40	1	7	6	8	17	38	
Grand Total	6	17	34	54	111	8	97	75	77	94	343	21	66	73	66	106	311	33	

2019-2020:

Major	Conc.	Summer						Fall						Spring					
		F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP
AGSC	AGBU	1	1	7	13	22	5	21	14	16	20	71	4	15	14	17	23	69	7
	AGED	0	0	0	2	2	0	7	4	3	6	20	2	8	3	3	3	17	1
	ANSC	0	0	4	5	9	0	14	12	12	15	53	8	7	7	11	15	40	6
	DIET	0	0	0	1	1	0	0	0	1	6	7	0	0	0	0	2	2	0
	EQSC	1	0	0	1	2	0	2	1	0	2	5	1	2	1	0	0	3	0
	FDTC	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2	2	0
	FNTS	0	0	0	2	2	0	0	1	0	2	3	0	0	0	0	3	3	0
	GAGR	1	0	1	7	9	1	7	5	4	9	25	3	5	5	4	10	24	4
	NTRS	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
	NUDT	1	2	2	4	9	0	12	8	4	12	36	1	6	7	6	18	37	11
	PVET	2	4	4	8	18	1	42	17	14	11	84	1	24	16	13	14	67	4
	(blank)	0	0	2	0	2	0	1	0	2	0	3	0	0	0	1	0	1	0
Total	6	7	20	43	76	7	106	62	56	85	309	20	67	53	55	90	265	33	
NFSC	DIET	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NRCM	EVED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	(blank)	0	2	4	9	15	0	9	6	5	12	32	3	6	7	6	11	30	
	Total	0	2	4	9	15	0	9	6	5	12	32	3	6	7	6	11	30	
Grand Total	6	9	24	52	91	7	115	68	61	97	341	23	73	60	61	101	295	38	

2020-2021:

Major	Conc.	Summer						Fall						Spring					
		F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP
AGSC	AGBU	3	3	8	14	28	1	28	9	21	21	79	10	19	11	10	18	58	9
	AGED	1	1	1	3	6	0	3	7	2	5	17	0	1	3	4	5	13	3
	ANSC	1	1	3	6	11	2	26	6	8	13	53	2	17	8	11	16	52	6
	DIET	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	EQSC	1	2	0	0	3	0	3	1	1	0	5	0	2	2	1	0	5	0
	FDTC	0	0	0	1	1	0	0	0	0	2	2	0	0	0	0	0	2	1
	FNTS	0	0	0	0	0	2	1	0	0	3	4	0	1	0	0	3	4	0
	GAGR	2	1	1	5	9	0	6	2	4	8	20	3	3	3	4	5	15	3
	NUDT	0	0	2	3	5	2	18	10	6	12	46	2	9	10	8	11	38	4
	PVET	0	3	3	12	18	0	40	15	9	17	81	4	27	22	7	15	71	4
	(blank)	0	0	0	0	0	7	0	0	0	1	1	0	0	0	0	0	0	0
	Total	8	11	18	45	82	0	125	50	51	82	308	21	79	59	45	75	258	30
NRCM	EVED	0	0	0	0	0	0	2	0	1	0	3	0	1	0	1	0	2	0
	(blank)	0	4	1	4	9	0	7	8	5	9	29	3	5	9	5	8	27	4
	Total	0	4	1	4	9	0	9	8	6	9	32	0	6	9	6	8	29	0
Grand Total	8	15	19	49	91	7	134	58	57	91	340	24	85	68	51	83	287	34	

2021-2022:

Major	Conc.	Summer						Fall						Spring					
		F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP	F	S	J	Sr	T	CMP
AGSC	AGBU	2	1	0	9	12	2	17	14	12	13	56	5	9	18	12	16	55	4
	AGED	0	0	1	1	2	0	5	0	6	2	13	1	2	1	2	2	7	0
	ANSC	0	2	4	4	10	0	19	12	14	19	64	8	14	13	11	20	58	3
	EQSC	0	0	1	1	2	0	2	0	2	0	4	0	1	0	2	1	4	0
	FDTC	0	0	0	1	1	0	0	0	0	1	1	0	0	0	0	1	1	1
	FNTS	1	0	0	0	1	0	1	0	0	3	4	0	0	0	0	2	2	1
	GAGR	0	0	1	1	2	0	2	3	4	7	16	0	3	2	2	12	19	5
	NUDT	2	4	2	3	11	0	9	10	7	12	38	0	5	7	9	14	35	5
	PVET	1	4	2	1	8	1	43	23	8	11	85	0	20	26	10	10	66	4
	(blank)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	6	11	11	21	49	3	98	62	53	68	281	14	54	67	48	78	247	23
NRCM	EVED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	(blank)	1	5	3	5	14	0	12	5	7	8	32	0	9	1	9	8	27	0
	Total	1	5	3	5	14	0	12	5	7	8	32	0	9	1	9	8	27	0
Grand Total	7	16	14	26	63	0	110	67	60	76	313	0	63	68	57	86	274	0	

Percentage Change between 2017-2018:

Major	Fall	Total	% Change
AGSC	2017	286	5.244%
	2018	301	

NRCM	2017	41	-2.439%
	2018	40	
Total	2017	327	4.892%
	2018	343	

Percentage Change between 2018-2019:

Major	Fall	Total	% Change
AGSC	2018	301	2.658%
	2019	309	
NRCM	2018	40	-20%
	2019	32	
Total	2018	343	-0.583%
	2019	341	

Percentage Change between 2019-2020:

Major	Fall	Total	% Change
AGSC	2019	309	-0.323%
	2020	308	
NRCM	2019	32	0%
	2020	32	
Total	2019	341	0.293%
	2020	340	

Percentage Change between 2020-2021:

Major	Fall	Total	% Change
AGSC	2020	308	-8.766%
	2021	281	
NRCM	2020	32	0%
	2021	32	
Total	2020	340	-7.941%
	2021	313	

1.1.1 Analysis of Data and Plan for Continuous Improvement

2017-2018:

Based on the data provided, over the past five years the average annual number of program completers is 58. With a high of 77 in 2013-2014 and a low of 46 in 2016-2017. Fall enrollments continue to be strong with an average of 317 students enrolled, (high of 369 in 2013 and low of 290 in 2015). The agriculture industry has a considerable need for graduates in all fields of agricultural sciences, which makes the program attractive to incoming students.

2018-2019:

Enrollment and students completing the program continue to be strong.

2019-2020:

2020-2021:

2021-2022:

Have not met our benchmark of increasing numbers by 5% annually. Many factors have gone into it. This reflects most of the colleges on campus and higher education in general.

2 Assessment and Benchmark

Benchmark: Increase enrollment by 5% each year, overall and in each graduate program offered by the department.

Prior to 2021-2022, the benchmark was to increase graduate enrollment and completers in each concentration.

- ECSA - Environmental and Chemical Sciences
 - AGSC - Agricultural Sciences
 - ENSC - Environmental Science

2.1 Data

Graduate Enrollment:

Major	Conc.	2013-2014			2014-2015			2015-2016			2016-2017			2017-2018		
		U	F	S	U	F	S	U	F	S	U	F	S	U	F	S
ECSA	AGSC	2	13	11	5	16	16	7	15	13	6	16	15	7	14	12
	ENSC	2	7	12	2	11	12	4	7	6	0	5	6	2	5	4
Total		4	20	23	7	27	28	11	22	19	6	21	21	9	19	16

Major	Conc.	2018-2019			2019-2020			2020-2021			2021-2022			2022-2023		
		U	F	S	U	F	S	U	F	S	U	F	S	U	F	S
ECSA	AGSC	4	9	8	5	12	13	5	12	13	3	15	16			
	ENSC	0	6	3	1	3	4	1	3	4	1	5	2			
	Total	4	15	11	6	15	17	6	15	17	4	20	18			
NTSC	(blank)	—	—	—	—	—	—	—	—	—	0	3	3			
	Total	—	—	—	—	—	—	—	—	—	0	3	3			
Grand Total		4	15	11	6	15	17	6	15	17	4	23	21			

Graduate Completers:

Major	Conc.	2013-2014			2014-2015			2015-2016			2016-2017			2017-2018		
		U	F	S	U	F	S	U	F	S	U	F	S	U	F	S
ECSA	AGSC	0	3	2	2	2	1	1	2	2	1	6	2	1	1	1
	ENSC	0	0	0	0	1	4	0	1	1	0	0	1	0	1	1
Total		0	3	2	2	3	5	1	3	3	1	6	3	1	2	2

Major	Conc.	2018-2019			2019-2020			2020-2021			2021-2022			2022-2023		
		U	F	S	U	F	S	U	F	S	U	F	S	U	F	S
ECSA	AGSC	1	2	2	0	2	2	0	1	1	0	2	4			
	ENSC	0	2	0	0	1	1	2	1	0	0	1	1			
Total		1	4	2	0	3	3	2	2	1	0	3	5			

	Size	Major?	#	%	#	%	#	%	#	%	#	%	#	%	#	%
AGSC	75*	Same	60	80.0	39	52.0	28	37.3	27	36.0	17	22.7	23	30.7	24	32.0
		Changed	7	9.3	9	12.0	11	14.7	8	10.7	6	8.0	6	8.0	8	10.7
		Total	67	89.3	48	64.0	39	52.0	35	46.7	23	30.7	29	38.7	32	42.7
NFSC	9	Same	6	66.7	2	22.2	2	22.2	2	22.2	2	22.2	2	22.2	2	22.2
		Changed	3	33.3	5	55.6	4	44.4	3	33.3	2	22.2	3	33.3	3	33.3
		Total	9	100	7	77.8	6	66.7	5	55.6	4	44.4	5	55.6	5	55.6
NRCM	9	Same	7	77.8	5	55.6	5	55.6	4	44.4	4	44.4	4	44.4	4	44.4
		Changed	2	22.2	2	22.2	3	33.3	3	33.3	1	11.1	3	33.3	3	33.3
		Total	9	100	7	77.8	8	88.9	7	77.8	5	55.6	7	77.8	7	77.8
Total	93	Same	73	8.5	46	49.5	35	37.6	33	35.5	23	24.7	29	31.2	30	32.3
		Changed	12	12.9	16	17.2	18	19.4	14	15.1	9	9.7	12	12.9	14	15.1
		Total	85	91.4	62	66.7	53	57.0	47	50.5	32	34.4	41	44.1	44	47.3

*2 students were previously undeclared before declaring AGSC.

2013:

Major	Cohort Size	Same Major?	Persistence Rate		Retention Rate						Graduation Rate					
			Rate		Y1 to Y2		Y1 to Y3		Y1 to Y4		4-Year		5-Year		6-Year	
			#	%	#	%	#	%	#	%	#	%	#	%	#	%
AGSC	61*	Same	54	88.5	38	62.3	27	44.3	25	41.0	15	24.6	5	8.2	3	4.9
		Changed	4	6.6	7	11.5	6	9.8	9	14.8	3	4.9	3	4.9	1	1.6
		Total	58	95.1	45	73.8	33	54.1	34	55.7	18	29.5	8	13.1	4	6.5
NFSC	10**	Same	7	70.0	5	50.0	3	30.0	2	20.0	1	10.0	1	10.0	0	0
		Changed	3	30.0	3	30.0	5	50.0	4	40.0	0	0	2	20.0	0	0
		Total	10	100	8	80.0	8	80.0	6	60.0	1	10.0	3	30.0	0	0
NRCM	8	Same	6	75.0	4	50.0	4	50.0	2	25.0	2	25.0	0	0	0	0
		Changed	1	12.5	1	12.5	1	12.5	1	12.5	1	12.5	0	0	0	0
		Total	7	87.5	5	62.5	5	62.5	3	37.5	3	37.5	0	0	0	0
Total	79	Same	67	84.8	47	59.5	34	43.0	29	36.7	18	22.8	6	7.6	3	3.8
		Changed	8	10.1	11	13.9	12	15.2	14	17.7	4	5.1	5	6.3	1	1.3
		Total	75	94.9	58	73.4	46	58.2	43	54.4	22	27.8	11	13.9	4	5.1

*1 student was previously undeclared before declaring AGSC.

**1 student was previously undeclared before declaring NFSC.

2014:

Major	Cohort Size	Same Major?	Persistence Rate		Retention Rate						Graduation Rate					
			Rate		Y1 to Y2		Y1 to Y3		Y1 to Y4		4-Year		5-Year		6-Year	
			#	%	#	%	#	%	#	%	#	%	#	%	#	%
AGSC	53	Same	44	83.0	32	60.4	25	47.2	18	34.0	12	22.6	18	33.9	19	35.8
		Changed	4	7.5	7	13.2	8	15.1	7	13.2	3	5.6	5	9.4	6	11.3
		Total	48	90.6	39	73.6	33	62.3	25	47.2	15	28.3	23	43.3	25	47.1
		Same	4	50.0	3	37.5	3	37.5	2	25.0	2	25.0	2	25.0	2	25.0

			#	%	#	%	#	%	#	%	#	%	#	%	#	%
AGSC	95	Same	76	80.0	57	60.0										
		Changed	5	5.2	8	8.4										
		Total	81	85.3	65	68.4										
NRCM	9	Same	8	88.9	8	88.9										
		Changed	0	0.0	0	0.0										
		Total	8	88.9	8	88.9										
Total	104	Same	84	80.8	65	62.5										
		Changed	5	4.8	8	7.7										
		Total	89	85.6	73	70.2										

2021:

Major	Cohort Size	Same Major?	Persistence Rate		Retention Rate						Graduation Rate					
					Y1 to Y2		Y1 to Y3		Y1 to Y4		4-Year		5-Year		6-Year	
			#	%	#	%	#	%	#	%	#	%	#	%	#	%
AGSC	68	Same	54	79.4												
		Changed	5	7.4												
		Total	59	86.8												
NRCM	7	Same	4	57.1												
		Changed	1	14.3												
		Total	5	71.4												
Total	75	Same	58	77.3												
		Changed	6	8.0												
		Total	64	85.3												

3.1.1 Analysis of Data and Plan for Continuous Improvement

2018-2019:

2019-2020:

2020-2021:

2021-2022:

Improve persistence rates across all semesters. I am not sure how much dual enrollment affects numbers from fall to spring each year for the grade classifications. Completers remain solid.

Performance Objective 2 Faculty and students will engage in campus, community, and scholarly activities on behalf of the University.

1 Assessment and Benchmark

Benchmark: Faculty members will engage in service to the University through participation in department and/or University committees.

1.1 Data

2017-2018:

All Dripps School of Agricultural Sciences faculty members participated in department and/or University committees. The committees included: faculty and staff hiring committees, tenure and promotion, internship, curriculum, disciplinary, faculty senate, and building.

2018-2019:

All Dripps School of Agricultural Sciences faculty members participated in department and/or University committees. The committees included: faculty and staff hiring committees, tenure and promotion, internship, curriculum, disciplinary, faculty senate, and building.

2019-2020:

Faculty in the the School of Agricultural Sciences participated in department and University committees. These committees include but are not limited to: faculty and staff hiring committees, tenure and promotion, Dean search, RNL planning, university curriculum, disciplinary, faculty senate, building, Shearman grant, and graduation.

2020-2021:

2021-2022:

Faculty in the the School of Agricultural Sciences participated in department and University committees. These committees include but are not limited to: faculty and staff hiring committees, tenure and promotion, Dean search, RNL planning, Undergraduate Curriculum Committee, Graduate Council, disciplinary, faculty senate, building, Shearman grant, and graduation.

1.1.1 Analysis of Data and Plan for Continuous Improvement

2017-2018:

All faculty are encouraged to serve on departmental and/or University committees. This enables faculty to learn about departmental and University activities and to share this information amongst colleagues. Our faculty have been receptive to participating in such committees.

2018-2019:

All faculty are encouraged to serve on departmental and/or University committees. This enables faculty to learn about departmental and University activities and to share this information amongst colleagues. Our faculty have been receptive to participating in such committees. With new retention and recruiting efforts on campus, there are opportunities for our faculty to interact and collaborate with other colleges and departments.

2019-2020:

All faculty are encouraged to serve on departmental and/or University committees. This enables faculty to learn about departmental and University activities and to share this information amongst colleagues. Our faculty have been receptive to participating in such committees. Many of our faculty participated in RNL committees and other retention and recruiting efforts on campus. We have met our benchmarks for these efforts. We will continue to encourage all faculty to be engaged in departmental and university committees.

2020-2021:

Faculty continued to meet with respective committees via virtual platforms. This has been a challenge due to COVID and Hurricanes Laura and Delta. We will continue to be a presence in committees on campus.

2021-2022:

Faculty have given multiple off campus presentations in the past year at area, state and regional events in the southern U.S. Faculty have also been used as expert contributors to popular press magazines within their disciplines. Various faculty have taken active roles in recruiting off campus in high schools and at area and state level events (state FFA conventions in Louisiana and Texas). Service to the community through the CAMMP facility and store, AI program at the farm and the heifer development program at the Fuller Farm in Kinder. Multiple faculty members serve on university level committees on campus and will continue to do so.

2 Assessment and Benchmark

Benchmark: Faculty members will engage in service to the University through participation in community activities.

2.1 Data

2017-2018:

- Hosted community, youth development and recruitment events throughout the year.

- Hosted Poultry and Equine industry professionals from across the country to speak to our students regarding careers and internships.
- Hosted area, district and parish leadership and career development events.
- Accompanied students to International Poultry and Processing Expo, State livestock shows, and All East Collegiate livestock evaluation contest.
- Hosted the 2017 Rodeo Hall of Fame.
- Hosted the 2017 Beefmaster show and sale.
- Led 10 Greek students and one advisor from the American farm school on three-week agrotourism event.
- Provided PQA training to state youth and adults.
- Faculty members also served as committee members or officers in civic organizations (e.g. Calcasieu Cattlemen's ASSN, Beefmaster breeders ASSN, Ducks Unlimited, Louisiana Pork Producers ASSN etc.), giving presentations at local schools, judging science fairs, holding on-site demonstrations and learning activities for local school children, and answering scientific questions asked by local residents.

2018-2019:

- Hosted community, youth development, and recruitment events throughout the year.
- Hosted area, district, and parish leadership and career development events for FFA and 4-H students.
- Hosted the State FFA Livestock Judging Contest
- Accompanied students to International Poultry and Processing Expo, State livestock shows, and All East Collegiate livestock evaluation contest.
- Hosted the 2018 Rodeo Hall of Fame.
- Hosted the 2018 Beefmaster show and sale.
- Made presentations at several meetings throughout the state at professional agriculture meetings (e.g. LA AG Industries, LA Cattleman's ASSN, LA FFA)
- Led 10 Greek students and one advisor from the American Farm School on three-week agrotourism event.
- Provided PQA training to state youth and adults.
- Completed the 1000 Trees in 1000 Days project with SASOL.
- Faculty members also served as committee members or officers in civic organizations (e.g. Calcasieu Cattlemen's ASSN, Beefmaster breeders ASSN, Ducks Unlimited, Louisiana Pork Producers ASSN etc.), giving presentations at local schools, judging science fairs, holding on-site demonstrations and learning activities for local school children, and answering scientific questions asked by local residents.

2019-2020:

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- Hosted the State FFA Livestock Judging Contest
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- Hosted the 2019 Beefmaster show and sale.
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- Led 10 Greek students and one advisor from the American Farm School on three-week agrotourism event.
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- Faculty members also served as committee members or officers in civic organizations (e.g. Calcasieu Cattlemen's ASSN, Beefmaster breeders ASSN, Ducks Unlimited, Louisiana Pork Producers ASSN etc.), giving presentations at local schools, judging science fairs, holding on-site demonstrations and learning activities for local school children, and answering scientific questions asked by local residents.
- Hosted introduction to livestock and evaluation summer camps, advanced livestock and evaluation and showmanship camp. Oral reasons camps. Acadia and Jeff Davis Parish, Sulphur High School Career Fairs.
- CAMPP harvest cattle for Iberia baby beef contest

- Coordinated 2019 National Junior Beefmaster judging contest, skill a thon, speaking and carcass contest.
- Hosted discipline specific career fair.

2020-2021:

- Hosted community, youth development, and recruitment events prior to COVID restrictions, shutdowns and hurricane Laura and Delta campus closures.
- Hosted area, district, and parish leadership and career development events for FFA and 4-H students.
- Hosted All-East Intercollegiate Livestock Judging and Evaluation Contest.
- Accompanied students to International Poultry and Processing Expo, State livestock shows.
- Hosted the 2020 Beefmaster show and sale.
- Made presentations at several meetings throughout the state at professional agriculture meetings (e.g. LA AG Industries, LA Cattleman's ASSN, LA FFA).
- Provided PQA training to state youth and adults.
- Faculty members also served as committee members or officers in civic organizations (e.g. Calcasieu Cattlemen's ASSN, Beefmaster breeders ASSN, Ducks Unlimited, Louisiana Pork Producers ASSN etc.), giving presentations at local schools, judging science fairs, holding on-site demonstrations and learning activities for local school children, and answering scientific questions asked by local residents.
- Hosted introduction to livestock and evaluation summer camps, advanced livestock and evaluation and showmanship camp. Oral reasons camps. Acadia and Jeff Davis Parish, Sulphur High School Career Fairs.
- CAMPP harvest cattle for Iberia baby beef contest
- Coordinated 2020 National Junior Beefmaster judging contest, skill a thon, speaking and carcass contest.
- Participated in hurricane relief partnering with NPB serving 10,000 + meals for the community, distributed supplies for area producers in partnership with LCA & NCBA.
- Hurricane cleanup at McNeese Farm and Campus
- Housed animals for area producers at Fuller Farms in Kinder, Louisiana and McNeese Farm in Lake Charles.

2021-2022:

- Hosted multiple recruiting events
- Hosted area, district, and parish leadership and career development events for FFA and 4-H students.
- Accompanied students to International Poultry and Processing Expo, State livestock shows.
- Made presentations at several meetings throughout the state at professional agriculture meetings (e.g. LA AG Industries, LA Cattleman's ASSN, LA FFA, Louisiana Beefmaster's Breeder's Association, Lonestar Beefmaster's Breeders Association, Boehringer Ingelheim / LCA Health Summit).
- Provided PQA training to state youth and adults.
- Faculty members also served as committee members or officers in civic organizations (e.g. Calcasieu Cattlemen's ASSN, Jeff Davis Cattlemen's ASSN, Beefmaster breeders ASSN, Ducks Unlimited, Louisiana Pork Producers ASSN etc.), giving presentations at local schools, judging science fairs, holding on-site demonstrations and learning activities for local school children, and answering scientific questions asked by local residents.
- Hosted introduction to livestock and evaluation summer camps, advanced livestock and evaluation and showmanship camp. Oral reasons camps. Acadia and Jeff Davis Parish, Sulphur High School Career Fairs.
- CAMPP harvest cattle for Iberia baby beef contest
- Coordinated 2021 National Junior Beefmaster judging contest, skill a thon, speaking and carcass contest
- Housed animals for area producers at Fuller Farms in Kinder, Louisiana and McNeese Farm in Lake Charles.

2.1.1 Analysis of Data and Plan for Continuous Improvement

2017-2018:

Community outreach is a strong asset to the department. Part of our mission is to disseminate current research and information to producers and consumers. Working with youth in the community and

throughout the state provides potential recruiting opportunities for the university. We will continue to support outreach by providing classes, seminars, field days, etc.

2018-2019:

We continue to support community outreach in our activities— we have made progress with many state industries and look to further nurture these relationships.

2019-2020:

We continue to support community outreach in our activities— COVID shutdown in March 2020 slowed our normal outreach efforts.

2020-2021:

We continue to support community outreach in our activities— COVID and Hurricanes Laura and Delta slowed our normal outreach efforts. We did participate in many community projects to help Lake Charles and the area to help clean, feed, and rebuild our community.

2021-2022:

Faculty took active roles in recruiting off campus and will continue to do so to build positive relationships. Faculty will continue to provide community support for various events and organizations. Research is currently in progress at several farms and in labs on campus.

3 Assessment and Benchmark

Benchmark: Faculty members will engage in scholarly activities including giving presentations at professional meetings and publishing peer-reviewed journal articles, books, and book chapters.

3.1 Data

2017-2018:

Faculty and/or graduate/undergraduate students presented (abstracts and oral) research at the following association meetings:

- American Society of Animal Science
- International Food Technologist
- Louisiana Academy of Sciences
- Louisiana Association of Professional Biologists
- ULS Research Symposium

In addition, a peer-reviewed journal article was published in the Journal of Food Research.

2018-2019:

The following scientific presentations were completed by faculty and students in Dripps School of Agricultural Sciences:

-Louisiana Association of Professional Biologists and the Wildlife Society Louisiana Chapter 2019 Fall Symposium

Site Selection of Louisiana Bats in Alternative Roost Structures

Christina Keathley, A. Nikki Anderson

Evaluating Black-bellied Whistling-duck (*Dendrocygna autumnalis*) Nest Box Use and Nest Success in Southwestern Louisiana.

Christopher S. Shipp, Joseph R. Marty, J. Taylor Gibson

An Evaluation of License Sales and the Use of Alligator Hides Over Three Decades in Louisiana

Andrew C. Kay and Angela R. Guidry

Mourning Dove Banding (*Zenaida macroura*) Program at Rockefeller Wildlife Refuge

Miah S. Lognion, Lane J. Hudspeth, Andrew M. Langley, Jonathan K. Deshotels and James M. Whitaker

PREY SELECTION BY THE LOUISIANA PINE SNAKE (*PITUOPHIS RUTHVENI*) IN RELATION TO PREY AVAILABILITY

Alyssa Broussard¹, Eddie Lyons¹ and Justin Hoffman²

¹Harold and Pearl Dripps School of Agricultural Sciences, McNeese State University, Lake Charles, LA, msu-arichard16@student.mcneese.edu and elyons@mcneese.edu

2Department of Biology, McNeese State University, Lake Charles, LA, jhoffman@mcneese.edu

INFLUENCE OF VEGETATION AND SOIL TEXTURE ON THE DENSITY OF BAIRD'S POCKET GOPHER (GEOMYS BREVICEPS) IN LOUISIANA

Alexandria E. Medine¹, Eddie K. Lyons¹ and Justin D. Hoffman²

¹Harold and Pearl Dripps School of Agricultural Sciences, McNeese State University, Lake Charles, LA

²Department of Biology, McNeese State University, Lake Charles, LA

SITE SELECTION OF LOUISIANA BATS IN ALTERNATIVE ROOST STRUCTURES

Christina Keathley, A. Nikki Anderson

Louisiana Department of Wildlife and Fisheries, Baton Rouge, LA 70808

-2019 American Society of Animal Science- Canadian Society of Animal Science Annual Meeting

Late Season Sorghum Produced for Silage in Southwest Louisiana

William Storer, Karyle Crawford, and Luke Billeaudeau

Harold and Pearl Dripps School of Agricultural Sciences, McNeese State University

-2019 International Food Technologist annual Meeting

Effect of Three Novel Powders: Cricket, Pea, and Cornish Hen on 3D-Printed Chatamari

Nila Pradhananga, Wanee Tangkham, and Frederick LeMieux

Harold and Pearl Dripps School of Agricultural Sciences, McNeese State University

2019-2020:

The following peer-reviewed articles were published:

Cantrelle, K., J. D. Hoffman, and **E. K. Lyons**. In review. Habitat Suitability Modeling and Niche Overlap for the Louisiana pine snake and Baird's pocket gopher. Occasional Papers, Texas Tech University.

LeMieux, F.M., C.P. Villemarette, E.K. Lyons, T.H. Shields, and N. German. 2020. Effect of hybrid rice varieties on growth and development of broilers and ducks. J. aninu.2020.06.004.

Tangkham, W. Sensory characteristics of three different levels of turmeric powder on beef stick product. Acta Scientific Nutritional Health: ASNH-20-RA-217

Scientific presentations were completed by faculty and students at the following conferences:

- 1) SHIFT20 IFT Virtual Annual Meeting
- 2) 73rd Reciprocal Meat Conference (RMC)
- 3) Exclusively Virtual Meeting 66th International Congress of Meat Science and Technology (ICoMST)

2020-2021:

2021-2022:

3.1.1 Analysis of Data and Plan for Continuous Improvement

2017-2018:

Most of the faculty are involved in some research activities. Faculty are encouraged to present research data orally or written when appropriate. Our focus has been on undergraduate research and while this is valuable, it takes longer to accumulate adequate data to publish in reputable journals. We will continue to encourage and support faculty in their research activities and reward these activities.

2018-2019:

We will continue to encourage research. We are writing grants that are inclusive for all faculty members. Hopefully, we will be able to include all interested faculty members in these projects.

2019-2020:

Faculty published peer-reviewed articles and participated in society meetings virtually. Because of COVID restrictions many research projects were halted until further notice. Faculty and their students will continue to conduct research and disseminate findings in journal articles and professional presentations.

2020-2021:

2021-2022:

Faculty surpassed expectations. More faculty will be asked to become more involved in their areas of expertise and recruiting.

3.2 Data

2017-2018:

One peer-reviewed journal article was published in the Journal of Food research: 'Microbial, Physical and Sensory Properties of Three Novel Yogurt Flavors: Molasses, Mulberry and Amaretto', Tangkham & LeMieux.

2018-2019: Three peer-reviewed articles were published-

Huntzinger, C. C, I. J. Louque, Jr., W. Selman, P. V. Lindeman, and E. K. Lyons. 2019. Distribution and abundance of the alligator snapping turtle (*Macrochelys temmenckii*) in southwestern Louisiana. Southeastern Naturalist 18:65-75.

Soileau, J.M., E.K. Lyons, B. Chung, J. Hoffman, and F.M. LeMieux. 2018. Defining Success criteria for *Spartina alterniflora* Restoration Projects in Southwestern Louisiana. Southeastern Naturalist 17(4): 541-553.

Tangkham, W., and F.M. LeMieux. 2018. Effects of Promolux Platinum LED on Shelf-life of Ground Beef Patties. JFR; Vol 7, No 6

2019-2020: Three peer-reviewed articles were published

Cantrelle, K., J. D. Hoffman, and **E. K. Lyons**. In review. Habitat Suitability Modeling and Niche Overlap for the Louisiana pine snake and Baird's pocket gopher. Occasional Papers, Texas Tech University.

LeMieux, F.M., C.P. Villemarette, E.K. Lyons, T.H. Shields, and N. German. 2020. Effect of hybrid rice varieties on growth and development of broilers and ducks. J. aninu.2020.06.004.

Tangkham, W. Sensory characteristics of three different levels of turmeric powder on beef stick product. Acta Scientific Nutritional Health: ASNH-20-RA-217

2020-2021:

2021-2022:

3.2.1 Analysis of Data and Plan for Continuous Improvement

2017-2018:

Continue to encourage quality research that is suitable for publication. This research should include undergraduate and graduate students. When available provide funding and other resources to facilitate research that can be published.

2018-2019:

We published three papers this year. We have several papers in review and hope to double these scientific publications next year. We will continue to promote and encourage quality research that is suitable for publication. This research should include undergraduate and graduate students. When available, provide funding and other resources to facilitate research that can be published.

2019-2020:

We published three papers this year. We will continue to promote and encourage quality research that is suitable for publication. This research should include undergraduate and graduate students. COVID restrictions halted most of our faculty research and many society meetings were canceled or moved virtual formats. We will continue to support research through funding and other resources which will increase the ability to publish scientific research.

2020-2021:

2021-2022:

Multiple theses were completed this year with plans to submit research in national publications or meetings in the works. Several ongoing research projects as well.

4 Assessment and Benchmark

Benchmark: Faculty will participate in professional societies and attend professional meetings.

4.1 Data

2017-2018:

Faculty in the School of Agricultural Sciences were members of the following professional societies and attended the respective annual meeting:

- 1) American Meat Science Association
- 2) American Society of Animal Science
- 3) International Food Technologist
- 4) Louisiana Academy of Nutrition and Dietetics
- 5) Louisiana Association of Professional Biologists
- 6) Louisiana Academy of Sciences
- 7) Louisiana Cattlemen's Association
- 8) Louisiana Pork Producers Association
- 9) Poultry Science Association

Eddie Lyons served as president of (5).

William Storer served as district vice president of (7).

Research was presented at (2,3,4,5,6).

2018-2019:

Faculty in the School of Agricultural Sciences were members of the following professional societies and attended the respective annual meeting:

- 1) American Meat Science Association
- 2) American Society of Animal Science
- 3) International Food Technologist
- 4) Louisiana Academy of Nutrition and Dietetics
- 5) Louisiana Association of Professional Biologists
- 6) Louisiana Academy of Sciences
- 7) Louisiana Cattlemen's Association
- 8) Louisiana Pork Producers Association
- 9) Poultry Science Association

Eddie Lyons served as president of (5).

Research was presented at (2,3,4,5,6).

2019-2020:

Faculty in the School of Agricultural Sciences were members of the following professional societies and attended the respective annual meeting:

- 1) American Meat Science Association
- 2) American Society of Animal Science
- 3) International Food Technologist
- 4) Louisiana Academy of Nutrition and Dietetics
- 5) Louisiana Association of Professional Biologists
- 6) Louisiana Academy of Sciences
- 7) Louisiana Cattlemen's Association
- 8) Louisiana Pork Producers Association
- 9) Poultry Science Association
- 10) American Sheep Industry Association
- 11) National Livestock Judging Coaches Association
- 12) All East Livestock Judging Coaches Association

Research was presented at (3,6).

2020-2021:

Faculty in the School of Agricultural Sciences were members of the following professional societies and attended the respective annual meeting:

- 1) American Meat Science Association
- 2) American Society of Animal Science
- 3) International Food Technologist

- 4) Louisiana Academy of Nutrition and Dietetics
- 5) Louisiana Association of Professional Biologists
- 6) Louisiana Academy of Sciences
- 7) Louisiana Cattlemen's Association
- 8) Louisiana Pork Producers Association
- 9) Poultry Science Association
- 10) American Sheep Industry Association
- 11) National Livestock Judging Coaches Association
- 12) All East Livestock Judging Coaches Association

Research was presented at (3,6).

2021-2022:

Faculty in the School of Agricultural Sciences were members of the following professional societies and attended the respective annual meeting:

- 1) American Meat Science Association
- 2) American Society of Animal Science
- 3) International Food Technologist
- 4) Louisiana Academy of Nutrition and Dietetics
- 5) Louisiana Association of Professional Biologists
- 6) Louisiana Academy of Sciences
- 7) Louisiana Cattlemen's Association
- 8) Louisiana Pork Producers Association
- 9) Poultry Science Association
- 10) American Sheep Industry Association
- 11) National Livestock Judging Coaches Association
- 12) All East Livestock Judging Coaches Association

4.1.1 Analysis of Data and Plan for Continuous Improvement

2017-2018:

The department will continue to encourage and provide financial support for faculty to join societies and travel to annual meetings.

2018-2019:

The department will continue to encourage and provide financial support for faculty to join societies and travel to annual meetings.

2019-2020:

The department will continue to encourage and provide financial support for faculty to join societies and travel to annual meetings. Because of COVID participation in scientific meetings was limited. These meetings were either not held or held in a virtual setting.

2020-2021:

2021-2022:

Several meetings were attended virtually. We continue to support memberships in professional societies and attendance at national meetings by faculty.

5 Assessment and Benchmark

Benchmark: Students will engage in undergraduate research.

5.1 Data

Students in the department that participated in the Undergraduate Research Symposium at McNeese and represented McNeese at the state meeting:

Academic Year	# of students
2014-2015	4
2015-2016	4

2016-2017	5*
2017-2018	4*
2018-2019	6*
2019-2020	8*
2020-2021	14*
2021-2022	

*McNeese did not have a campus research symposium; students and faculty participated in the ULS research symposium.

5.1.1 Analysis of Data and Plan for Continuous Improvement

2017-2018:

We introduce students to undergraduate research at the freshmen level through AGRI 111, ANSC 101, and AGRI 101. We have undergraduates that have completed this experience give a presentation in class and discuss their experience. Students enrolled in ANSC 101 complete a group project that measures linear growth of animals. We discuss nutrient requirements and experimental methods in the class. During the sophomore and junior year we advertise possible undergraduate projects for the students. We encourage and have been successful in recruiting students to partake in these activities.

2018-2019:

We increased the number of undergraduate presenters this past year and look forward to increasing this number again this upcoming year. We had two of our students participate in the scientific presentation competition at national meetings.

We introduce students to undergraduate research at the freshmen level through AGRI 111, ANSC 101, and AGRI 101. We have undergraduates that have completed this experience give a presentation in class and discuss their experience. Students enrolled in ANSC 101 complete a group project that measures linear growth of animals. We discuss nutrient requirements and experimental methods in the class. During the sophomore and junior year, we advertise possible undergraduate projects for the students. We encourage and have been successful in recruiting students to partake in these activities.

We will continue to spotlight these students and their accomplishments in scientific research and communications.

2019-2020:

We increased the number of undergraduate presenters this past year and look forward to increasing this number again this upcoming year. We had three of our students participate in the scientific presentation competition at national meetings. Two placed in the top five for best presentations.

We introduce students to undergraduate research at the freshmen level through AGRI 111, ANSC 101, and AGRI 101. We have undergraduates that have completed this experience give a presentation in class and discuss their experience. Students enrolled in ANSC 101 complete a group project that measures linear growth of animals. We discuss nutrient requirements and experimental methods in the class. During the sophomore and junior year, we advertise possible undergraduate projects for the students. We encourage and have been successful in recruiting students to partake in these activities. We allow our students to present their research to their peers each year in junior and senior seminars. This encourages other peers to seek and participate in research.

We will continue to spotlight these students and their accomplishments in scientific research and university communications.

2020-2021:

2021-2022:

Multiple graduate students completed their research and Master's thesis this past year.

We introduce students to undergraduate research at the freshmen level through AGRI 111, ANSC 101, and AGRI 101. We have undergraduates that have completed this experience give a presentation in class and discuss their experience. Students enrolled in ANSC 101 complete a group project that measures linear growth of animals. We discuss nutrient requirements and experimental methods in the class. During the sophomore and junior year, we advertise possible undergraduate projects for the students. We encourage and have been successful in recruiting students to partake in these activities. We allow our students to present their research to their peers each year in junior and senior seminars. This encourages other peers to seek and participate in research.

We will continue to spotlight these students and their accomplishments in scientific research and university communications.

Performance Objective 3 Graduates will attain employment related to their discipline and/or pursue additional professional education.

1 Assessment and Benchmark

Benchmark: 60% of degree completers will be gainfully employed in an agriculture-related industry within one year.

1.1 Data

Academic Year	Graduates currently employed with a job in agriculture	
	#	%
2013-2014	38/78	49%
2014-2015	40/70	57%
2015-2016	40/70	57%
2016-2017	40/63	63%
2017-2018	32/50	64%
2018-2019	34/62	55%
2019-2020	40/67	60%
2020-2021	38/65	58%
2021-2022		

1.1.1 Analysis of Data and Plan for Continuous Improvement

2017-2018:

Students in the Dripps School of Agricultural Sciences are successful in securing jobs in their field of study. Continue to work with industry and our students to provide internship and job opportunities. The Dripps School of Agricultural Sciences will host the annual agriculture career fair during the 2018 fall semester. Prior to the career fair a professional development seminar will be held to instruct students on resume preparation and interviewing skills. In addition, we will continue to bring students to the international poultry and processing expo where they will interview for internships and permanent employment with agriculture companies. Resume building is embedded in several (AGRI 111, AGRI 340, AGRI 441) required and elective (AGRI 461, NRCM 499) agriculture courses.

2018-2019:

We will continue to provide information to help get our students/graduates positions in their field of choice. We provide numerous professional interaction opportunities and career building exercises. We continue to place over 50% of our students in agricultural related positions.

2019-2020:

We placed over 50% of our students in agricultural related positions. We will continue to provide information to help get our students/graduates positions in their field of choice. In the spring of 2020 COVID limited the

number of available internships and positions.

2020-2021:

With COVID and two hurricanes opportunities to engage students with potential employers was mainly virtual. We continued to provide career placement assistance through resume building, industry visits and interview practice. The job market has remained steady in the agricultural industry. With hurricane rebuilding efforts alternative jobs (non-agriculture) have become available for our graduates.

2021-2022:

Students continue to be sought out by employers in multiple states. The relationships with McNeese alumni continues to be a pipeline for graduating students and internships. The job market for agricultural related jobs is increasing.

2 Assessment and Benchmark

Benchmark: No less than five degree completers will be admitted to graduate or professional schools.

2.1 Data

Academic Year	Students that have been/will be admitted to graduate or professional school	
	#	%
2013-2014	7	—
2014-2015	10	—
2015-2016	5	—
2016-2017	14	—
2017-2018	17	—
2018-2019	19/62	31
2019-2020	15/67	22
2020-2021	15/65	23
2021-2022		

2.1.1 Analysis of Data and Plan for Continuous Improvement

2017-2018:

Data includes 10 dietetics interns that are admitted to graduate school.

More students are choosing to pursue graduate and/or professional schools after completing undergraduate degrees in agricultural sciences. Through personal communication with these students and colleagues at the respective institutions our students are well prepared and successful in their educational pursuits.

2018-2019:

We have been successful in placing/preparing students for graduate studies and professional schools. Our number of students entering the graduate/professional schools continue to increase.

2019-2020:

We continue to have more students interested in professional and graduate schools. Our students are competitive in obtaining positions in graduate school.

2020-2021:

Student interest and entrance into graduate and professional schools continues to be positive. We will continue to monitor.

2021-2022:

Our graduate numbers at McNeese have increased. Several students have elected to pursue graduate degrees at other institutions. We continue to place students in veterinary schools (5 this past year).

Performance Objective 4 Provide a comprehensive curriculum that reflects disciplinary foundations and remains responsive to contemporary developments, student and workforce demand, and University needs and aspirations.

1 Assessment and Benchmark

Benchmark: Faculty will meet a minimum of once per semester to discuss academic programs and student retention.

1.1 Data

2017-2018:

This is a new assessment that will begin being tracked in 2018-2019.

2018-2019:

College of Agricultural Sciences faculty met in Spring 2019 to discuss student progress and academic programs. Goals, student success, coursework, advising, and retention were discussed during this meeting.

2019-2020:

College of Agricultural Sciences faculty met in Fall 2019 and Spring 2020 to discuss student progress and academic programs. Goals, student success, coursework, advising, and retention were discussed during these meetings. In addition to planned faculty meetings, meetings were conducted to discuss the transition of courses to virtual and online format due to COVID.

2020-2021:

College of Agricultural Sciences faculty met in Fall 2020 and Spring 2021 to discuss student progress and academic programs. Faculty meetings included discussion regarding social distancing and virtual formats needed to facilitate instruction during COVID protocols. During Spring 2021, discussions included courses provided in -person and virtual. Student grading and retention was discussed. Goals, student success, coursework, advising, and retention were discussed during this meeting.

2021-2022:

Faculty met once in the fall and once in the spring to discuss student retention, recruiting and graduation rates.

1.1.1 Analysis of Data and Plan for Continuous Improvement

2017-2018:

No data available.

2018-2019:

Faculty will meet a minimum of once per semester to discuss academic programs and student retention.

2019-2020:

Faculty will meet a minimum of once per semester to discuss academic programs and student retention. Faculty met twice and then as needed during COVID.

2020-2021:

Faculty will meet a minimum of once per semester to discuss academic programs and student retention. Faculty met twice and then as needed during Hurricanes Laura, Delta and COVID.

2021-2022:

Faculty currently meet twice every year to determine needs and modifications of schedules or curriculum as needed.

2 Assessment and Benchmark

Benchmark: 50% of the faculty will write teaching-related grant proposals, which will enhance teaching in the classroom.

2.1 Data

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Academic Year	Faculty that submitted teaching related grants	
	#	%
2013-2014	9/12	75%
2014-2015	5/10	50%
2015-2016	5/12	42%
2016-2017	6/12	50%
2017-2018	6/12	50%
2018-2019	6/12	50%
2019-2020	6/12	50%
2020-2021	8/12	67%
2021-2022	7/11	63%

2.1.1 Analysis of Data and Plan for Continuous Improvement

2017-2018:

A faculty meeting will be held in which faculty who have been successful in obtaining teaching-related grants will discuss grant writing with faculty who have either not submitted grants or who have submitted but not been awarded grants.

2018-2019:

Faculty submitted grants to improve classroom instruction and experiential learning. Three faculty members received grants to improve teaching (e.g. equipment to demonstrate embryo growth, live animals to demonstrate animal growth, lab and farm equipment, AV equipment, etc.). Faculty will continue to support improvement in classroom learning. Program leaders will encourage collaborative grant writing and work to improve the learning environment.

2019-2020:

Faculty submitted grants to improve classroom instruction and experiential learning. Grant money was used to enhance laboratories and distance/virtual learning.

2020-2021:

Faculty submitted grants to improve classroom instruction and experiential learning. Faculty will continue to support improvement in classroom learning. Grant money was used to enhance laboratories and distance /virtual learning. Soil, plant and animal equipment was purchased for laboratories in animal, plant and soil science courses. The experience of COVID and hurricanes has increased the awareness of faculty to be more prepared for such events. The purchase of specialized equipment to facilitate this learning will be useful in the future.

2021-2022:

Faculty continue to submit grants for classroom and laboratory improvements to facilitate student learning and involvement and to improve learning opportunities.