

The completed and signed proposal should be submitted by the Dean's Office to: curriculumplanning@asu.edu.
 Before academic units can advertise undergraduate concentrations or include them in their offerings as described in the university catalogs, they must be recommended for approval by the Senate Curriculum and Academic Programs Committee and approved by the University Provost.

Definition and minimum requirements:

A concentration is a formalized selection of courses within a major.

- A concentration requires a minimum of 15 semester hours of which at least 9 semester hours must be upper division. Specialized concentrations (e.g., BIS Concentrations) may have additional or different requirements.
- A concentration is offered by a single unit and is intended exclusively for students pursuing a particular major. If a concentration consists of courses from more than one college the approval of each college Dean is required.

College/School/Institute: College of Letters and Sciences
Department/Division/School: Science and Mathematics Faculty
Proposing Faculty Group (if applicable):
If this is an official joint degree program? No, this is not a joint degree program

If "Yes" List all the additional college(s)/school(s)/institute(s) that will be involved in offering the degree program and providing the necessary resources. Note: All units offering this program must have collaborated in the proposal development and completed the appropriate unit and college/school approvals.

Existing Degree and Major under which this concentration will be established: Applied Biological Science
Proposed Concentration Name: Preveterinary Medicine
What is the first catalog year available for students to select on the undergraduate application for this this program? 2016-17
Delivery method: On-campus only (ground courses and/or iCour
Note: Once students elect a campus or On-line option, students will not be able to move back and forth between the on-campus and the ASU Online options. Approval from the Office of the University Provost and Philip Regier (Executive Vice Provost and Dean) is required to offer programs through ASU Online.

Campus/Locations: indicate all locations where this program will be offered.
 Downtown Phoenix Polytechnic Tempe West Other: _____

Proposal Contact

Name: Chris A. Martin **Title:** Professor and Head
Phone number: (480)727-1247 **Email:** Chris.Martin@asu.edu

DEAN APPROVAL(S)

This proposal has been approved by all necessary unit and College/School levels of review. I recommend implementation of the proposed organizational change.

College/School/Division Dean name: Duane Roen
Signature: Duane Roen **Date:** 2/12/2016
College/School/Division Dean name:
(if more than one college involved)
Signature: _____ **Date:** / /20

Note: An electronic signature, an email from the dean or dean's designee, or a PDF of the signed signature page is acceptable.

1. OVERVIEW

- A. Provide a brief description of the new concentration (including the specific focus of the new concentration, relationship to other concentrations in this degree program, etc).

The Applied Biological Science (ABS) B.S. program, concentration in preveterinary medicine is designed for students who want a strong scientific foundation in animal biology and health. This program focuses on educating students to be scientist-practitioners with the skills to enter professional programs in veterinary medicine and animal health including small- and large-animal veterinary medicine, wildlife veterinary medicine, domestic and wild animal care, education and animal biology research. Other concentrations in the ABS degree emphasize other applied fields such as pre-health, natural resource ecology, sustainable horticulture and secondary education

- B. Explain the unit's need for the new concentration (e.g., market demand, research base, direction of the discipline, and interdisciplinary considerations). How will the new concentration complement the existing degree program?

A preveterinary concentration is valuable in the recruitment of students to Arizona State University who have an interest in animal care and health. The Association of American Veterinary Medical Colleges recommends enrolling in a pre-veterinary curriculum as part of the preparation of application to veterinary medical school. (See: <http://www.aavmc.org/Students-Applicants-and-Advisors/Pre-Vet-Student-Resources.aspx>). Other resources for high school students recommend that students interested in future application to veterinary school look for schools that specialize in and have a visible preveterinary program.

A preveterinary concentration is essential for the continuing funding of student scholarships in this area from the Kemper and Ethel Marley Foundation.

Arizona State University has had a preveterinary concentration on the Polytechnic campus since the campus was opened in 1996. The program was administered by the Morrison School of Agribusiness as a concentration in the B.S. Agribusiness degree until the 2013-2014 AY when it was transferred to the Applied Biological Sciences degree program and became part of a concentration in applied ecology and preveterinary medicine.

This new concentration will replace the current Applied Biological Science B.S. concentration in applied ecology and preveterinary medicine which will be disestablished.

2. Support and Impact

- A. Provide a supporting letter from the chair of the academic unit verifying that the proposed concentration has received faculty approval through appropriate governance procedures in the unit and that the unit has the resources to support the concentration as presented in the proposal, without impacting core course resources.

Please see attached.

- B. *Identify other related ASU programs and outline how the new concentration will complement these existing ASU programs. (If applicable, statements of support from potentially-affected academic unit administrators need to be included with this proposal submission.)*

Please see attached.

- C. Provide a supporting letter from each college/school dean from which individual courses, or the entire concentration, are taken.

Please see attached.

3. Student Learning Outcomes and Assessment Methods

A. Knowledge, competencies, and skills

List the knowledge, competencies, and skills students should have when they graduate from the proposed degree program. You can find examples of program Learning Outcomes at (<https://uoeee.asu.edu/plan-outcomes>).

Demonstrate general competency in the foundational concepts of biology and chemistry.

Give students a broad perspective of domestic animals from their pets at home to the livestock and poultry species.

Give students an appreciation of the basic and applied scientific disciplines of nutrition, physiology, genetics, and behavior and how they relate to veterinary medicine.

Develop and balance appropriate nutritional diet for herbivores (grazing animals), carnivores, and omnivores.

Ability to accurately collect and record field data, create, interpret, and present natural resource data in a variety of formats including graphs, tables, charts, reports, and PowerPoint presentations.

Communicate effectively, orally and in writing, with audiences of diverse backgrounds.

B. Assessment

Describe the plan and methods to assess whether students have achieved the knowledge, competencies and skills identified in the Learning Outcomes. You can find examples of assessment methods at (<https://uoeee.asu.edu/creating-plan>).

Students will be assessed for knowledge and skills in the following courses: BIO 181, ABS 271, ABS 378 (concentration capstone course)

4. Academic Curriculum and Requirements

- A. Provide the admissions criteria for the proposed concentration. If they are identical to the admission criteria for the existing major and degree program under which this concentration will be established, please note that here.

Admission criteria identical to admission criteria for B.S. degree in Applied Biological Sciences

- B. Provide the curricular structure for this concentration. Be specific in listing required courses and specify the total minimum number of hours required for the concentration.

Required Core Courses for the Degree/Major				
Prefix	Number	Title	Is this a new Course?	Credit Hours
ABS	350	Applied Statistics	No	3
ABS	370	Ecology	No	3
ABS	490	Applied Biological Seminar	No	1
BIO	181	General Biology I	No	4
BIO	182	General Biology II	No	4
BIO	340	General Genetics	No	4
BIO	360	Animal Physiology OR ABS 311 Molecular and Cellular Biology Or ABS 314 Applied Plant Physiology	No	3
<i>Section sub-total:</i>				22

Required Concentration Courses				
Prefix	Number	Title	Is this a new Course?	Credit Hours
ABS	271	Veterinary Medicine Today	No	3
ABS	355	Ecology and Adaptations of Vertebrates	No	3
ABS	376	Wildlife Ecology	No	3
MIC	205	Microbiology	No	3
MIC	206	Microbiology Laboratory		1
<i>Section sub-total:</i>				13

Elective Concentration Courses				
Prefix	Number	Title	Is this a new Course?	Credit Hours
ABS	302	Ethical and Policy Issues in Biology	No	2
ABS	312	Structure and Function	No	3
ABS	376	Wildlife Ecology	No	3
ABS	470	Life History of Mammals	No	3
ABS	472	Applied Herpetology	No	3
<i>Section sub-total:</i>				12
Other Concentration Requirements				Credit Hours
<i>E.g. – Capstone experience, internship, clinical requirements, field studies, foreign language skills as applicable</i>				
CHM 113 General Chemistry I and CHM 116 General Chemistry II				8
PHY111/113 General Physics with Lab and PHY112/114 General Physics with Lab				8
CHM 233/237 General Organic Chemistry 1 with Lab and CHM 234/238 General Organic Chemistry 2 with Lab				8
BCH 361 Advanced Principles of Biochemistry and Elementary Biochemistry Lab				3
BCH 361/367 Advanced Principles of Biochemistry and Elementary Biochemistry Lab				1
<i>Section subtotal:</i>				28
Total minimum credit hours required for concentration				75

C. A minimum residency requirement: How many hours of the concentration must be ASU credit? 30

D. Provide a brief course description for each new course.

N/A

Note: All new required courses should be submitted in Curriculum Changemaker and ready for the University Provost's Office approval before this concentration is put on the CAPC agenda.

5. Administration and Resources

A. How will the proposed concentration be administered (including admissions, student advisement, retention, etc.)?
Existing advising and admission staff in the College of Letters and Sciences will be used for this concentration.

B. What are enrollment projections for the next three years?

	1st Year	2nd Year (Yr 1 continuing + new entering)	3rd Year (Yr 1 & 2 continuing + new entering)
Number of Students (Headcount)	20	35	50

C. What are the resource implications for the proposed concentration, including any projected budget needs? Will new books, library holdings, equipment, laboratory space and/or personnel be required now or in the future? If multiple units/programs will collaborate in offering this concentration please discuss the resource contribution of each participating program. Letters of support must be included from all academic units that will commit resources to this concentration.

There are no resource implications. All resources needed to support this concentration currently exist.

D. Please list the primary faculty participants regarding this proposed concentration. For interdisciplinary concentrations, please include the relevant names of faculty members from across the University.

Name	Title	Area(s) of Specialization as they relate to proposed concentration
Marianne Moore	Assistant Professor	Animal Nutrition, Diseases of Animals
Heather Bateman	Associate Professor	Anatomy/Physiology of Vertebrates, Ornithology, Herpetology
Stanley Cunningham	Lecturer	Mammology, Wildlife Biology
Martha Caron	Instructor	Animal Behavior
Ryan Penton	Assistant Professor	Microbiology

6. Additional Materials

A. Prepare and attach a Major Map. Please use the "proposed map" function to create a Major Map in [BAMM](#). This feature is explained in the training document available on Build a Major Map (BAMM) Training Resources.

B. *Complete and attach the Appendix document.*

C. Attach other information that will be useful to the review committees and the Office of the University Provost.

**APPENDIX
OPERATIONAL INFORMATION FOR UNDERGRADUATE CONCENTRATIONS**

(This information is used to populate the Degree Search/catalog website.
Please consider the student audience in creating your text.)

Proposed Concentration Name: Applied Biological Science (Preveterinary Medicine), BS

1. Program Description (150 words maximum)

The purpose of the concentration in preveterinary medicine in the BS program in applied biological science is to prepare undergraduate students to successfully complete the admission requirements for pursuing an advanced degree in veterinary medicine. The concentration curriculum emphasizes a solid foundation in biology, chemistry, physics, animal science and mathematics while offering specialized courses in veterinary medicine and opportunities for placement in internships in the field.

2. Contact and Support Information

Office Location (Building & Room): SANCA 201
Campus Telephone Number: 602/496-658
Program email address: cls@asu.edu
Program website address: https://cls.asu.edu/

3. Additional Program Description Information

- A. Additional program fee required for this program? Yes No
B. Does this program have a second language requirement? Yes No

4. Delivery/Campus Information

Delivery Method: On-campus only (ground courses and/or iCourses)

Note: Once students elect a campus or On-line option, students will not be able to move back and forth between the on-campus and the ASU Online options. Approval from the Office of the University Provost and Philip Regier (Executive Vice Provost and Dean) is required to offer programs through ASU Online.

Campus(es) and/or Locations Check all locations where the program will be offered.

- Downtown - Polytechnic - Tempe - West
 - Other (please specify)

Operational information:

Once students select a campus or On-line option, students will not be able to move back and forth between the on-campus the ASU Online option.

5. Career Opportunities & Concentration(s)

Provide a brief description of career opportunities available for this degree program with the proposed concentration.

Career opportunities for graduates of this program may include entry into professional programs in veterinary medicine and animal health including small- and large-animal veterinary medicine, wildlife veterinary medicine, domestic and wild animal care, education and animal biology research.

6. Additional Admission Requirements

If applicable list any admission requirements (freshman and/or transfer) that are higher than and/or in addition to the university minimum undergraduate admission requirements.)

None

7. Keywords

List all keywords used to search for this program. Keywords should be specific to the proposed program.

Animal care, pre-vet, applied biology, animal health, veterinary, veterinary technician

8. Advising Committee Code

List the existing advising committee code associated with this degree. UGLS06

Note: If a new advising committee needs to be created, please complete the following form:
Proposal to create an undergraduate advising committee

9. Western Undergraduate Exchange (WUE) Eligible:

Has a request been submitted to the University Provost by the Dean to consider this degree program as eligible for [WUE?](#)

No

Note: No action will be taken during the implementation process with regards to WUE until approval is received from the University Provost.

10. First Required Math Course List the first math course required in the major map. MAT 210 Brief Calculus or MAT 251 Calculus for Life Science**11. Math Intensity**

- a. List the highest math required on the major map. (This will not appear on Degree Search.) MAT 210 Brief Calculus or MAT 251 Calculus for Life Science
- b. What is the math intensity as indicated by the highest math required on the major map? Math intensity categorization can be found here: <https://catalog.asu.edu/mathintensity> Moderate

12. CIP codes

- a. Identify CIP codes that should be displayed on Degree Search. CIP codes can be found at: <http://www.onetonline.org/crosswalk/CIP/>.

29-1131.00 _____
 19-1023.00 _____
 29-2056.00 _____

- b. Are any specific career codes (SOC/ONET codes) to be omitted from the CIP codes selected above? (i.e. "Omit 25-10312.00 Engineering Teachers, Postsecondary from CIP code 14.0501 Bioengineering and Biomedical Engineering.")
- _____

13. Area(s) of Interest

- A. Select one (1) primary Area of Interest from the list below that applies to this program.

- | | |
|---|--|
| <input type="checkbox"/> <u>Architecture & Construction</u> | <input type="checkbox"/> Health & Wellness |
| <input type="checkbox"/> <u>Arts</u> | <input type="checkbox"/> Humanities |
| <input type="checkbox"/> Business | <input type="checkbox"/> <u>Interdisciplinary Studies</u> |
| <input type="checkbox"/> <u>Communications & Media</u> | <input type="checkbox"/> <u>Law & Justice</u> |
| <input type="checkbox"/> Computing & Mathematics | <input type="checkbox"/> <u>STEM</u> |
| <input type="checkbox"/> Education & Teaching | <input checked="" type="checkbox"/> <u>Science</u> |
| <input type="checkbox"/> <u>Engineering & Technology</u> | <input type="checkbox"/> <u>Social and Behavioral Sciences</u> |
| <input type="checkbox"/> Entrepreneurship | <input type="checkbox"/> Sustainability |
| <input type="checkbox"/> <u>Exploratory</u> | |

- B. Select any additional Areas of Interest that apply to this program from the list below.

- | | |
|---|--|
| <input type="checkbox"/> <u>Architecture & Construction</u> | <input type="checkbox"/> Health & Wellness |
| <input type="checkbox"/> <u>Arts</u> | <input type="checkbox"/> Humanities |
| <input type="checkbox"/> Business | <input type="checkbox"/> <u>Interdisciplinary Studies</u> |
| <input type="checkbox"/> <u>Communications & Media</u> | <input type="checkbox"/> <u>Law & Justice</u> |
| <input type="checkbox"/> Computing & Mathematics | <input checked="" type="checkbox"/> <u>STEM</u> |
| <input type="checkbox"/> Education & Teaching | <input type="checkbox"/> <u>Science</u> |
| <input type="checkbox"/> <u>Engineering & Technology</u> | <input type="checkbox"/> <u>Social and Behavioral Sciences</u> |
| <input type="checkbox"/> Entrepreneurship | <input type="checkbox"/> Sustainability |
| <input type="checkbox"/> <u>Exploratory</u> | |

The following fields are to be completed by the Office of the University Provost.
CIP Code:
Plan Code:



2016 - 2017 Major Map

Applied Biological Sciences (Preveterinary Medicine), (Proposed)

CNNWEUW

Hide Course List(s)/Track Group(s)

Term 1	0 - 14 Credit Hours	Critical course signified by	Hours	Minimum Grade	Notes
	ASU 101-UC: The ASU Experience		1		
	BIO 181: General Biology I (SQ)		4	C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses ASU Mathematics Placement Test score determines placement in mathematics course ASU 101 or college-specific equivalent First-Year Seminar required of all freshman students
	MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA)		3	C	
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
	Social-Behavioral Sciences (SB)		3		
	Term hours subtotal:		14		

Term 2	15 - 31 Credit Hours	Critical course signified by	Hours	Minimum Grade	Notes
	BIO 182: General Biology II (SG)		4	C	
	CHM 113: General Chemistry I (SQ)		4	C	
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
	Humanities, Arts and Design (HU)		3		
	Historical Awareness (H)		3		
	Term hours subtotal:		17		

Term 3	32 - 48 Credit Hours	Critical course signified by	Hours	Minimum Grade	Notes
	ABS 271: Veterinary Medicine Today		3	C	
	PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)		4	C	
	CHM 116: General Chemistry II (SQ)		4	C	
	Global Awareness (G)		3		
	Cultural Diversity in the U.S. (C)		3		
	Complete Mathematics (MA) requirement.				
	Milestone: Complete BIO 181 and BIO 182 Courses				
	Term hours subtotal:		17		

Term 4	49 - 62 Credit Hours	Critical course signified by	Hours	Minimum Grade	Notes
	PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)		4	C	
	MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)		4	C	
	Literacy and Critical Inquiry (L)		3		
	Social-Behavioral Sciences (SB)		3		
	Milestone: Complete CHM 116				
	Term hours subtotal:		14		

Term 5	63 - 78 Credit Hours	Necessary course signified by	Hours	Minimum Grade	Notes
	ABS 370: Ecology		3	C	

★ BIO 360: Animal Physiology OR ABS 314: Applied Plant Physiology OR ABS 311: Molecular and Cellular Biology	3	C
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C
Upper Division Pre Vet Elective	3	C
Humanities, Arts and Design (HU)	3	
Term hours subtotal:	16	

★ Term 6	79 - 92 Credit Hours	Necessary course signified by	Hours	Minimum Grade	Notes
★ BIO 340: General Genetics			4	C	
★ ABS 355: Ecology and Adaptations of Vertebrates			3	C	
Upper Division Pre Vet Elective			3	C	
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II			4	C	
Term hours subtotal:			14		

★ Term 7	93 - 106 Credit Hours	Necessary course signified by	Hours	Minimum Grade	Notes
★ BCH 361: Advanced Principles of Biochemistry			3	C	
★ BCH 367: Elementary Biochemistry Laboratory			1		
★ ABS 350: Applied Statistics (CS)			3	C	
★ ABS 490: Applied Biological Sciences Seminar			1		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)			3		
Upper Division Literacy and Critical Inquiry (L)			3		
Term hours subtotal:			14		

★ Term 8	107 - 120 Credit Hours	Necessary course signified by	Hours	Minimum Grade	Notes
★ ABS 378: Animal Nutrition			3	C	
Complete 2 courses: Upper Division Pre Vet Elective			6	C	
Upper Division Elective			3		
Elective			2		
Term hours subtotal:			14		

Pre-Veterinary Electives (12 Hours Required)

ABS 302: Ethical and Policy Issues in Biology

ABS 312: Structure and Function

ABS 376: Wildlife Ecology

ABS 394: Applied Animal Behavior

ABS 470: Life History of Mammals

ABS 472: Applied Herpetology

ABS 484: Internship

ABS 494: Applied Ornithology

[Hide Course List\(s\)/Track Group\(s\)](#)

Notes:

- Students must complete a minimum of 12 credit hours of science courses offered by the School of Letters and Sciences.
Select from ABS, CHM, BIO, PHY, and MIC prefixes.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2016 - 2017 academic year.

College of Letters and Sciences Faculty Support

January 6, 2016

To: Duane Roen, Vice Provost, Polytechnic campus
Dean, College of Letters and Sciences
Dean, University College Arizona State University

From: Chris Martin, Professor and Faculty Head, Science and Mathematics Faculty College of Letters and Sciences

Arizona State University

I am writing to give my full support for the proposal to establish a Pre-Veterinary Medicine Concentration within the Applied Biological Sciences (ABS) BS degree program. This new concentration replaces the Applied Ecology and Pre-Veterinary Medicine concentration which will be disestablished once this concentration is implemented. Once implemented this new concentration will better serve a growing student population on the ASU Polytechnic campus who are majoring in ABS with specialty interests in veterinary science.

Sincerely,
Chris Martin

From: David Wells

Sent: Saturday, January 30, 2016 3:32 PM

To: Holly Huffman; Jenifer Boshes; Carlos Santos; Pamela Stewart; Manuel Aviles-Santiago

Cc: Chris Martin; Duane Roen; Patricia Rosciano; Sandra Chavez-Lopez

Subject: RE: CLS Curriculum Committee: Disestablishing Applied Ecology/Pre-Vet--Est. Applied Biology two versions and Wildlife management certificate

Chris and Duane,

The Curriculum Committee approved all of the actions related to the following proposals:

1. Establishing Applied Biological Sciences (Pre-Vet)

On behalf of the committee,
Dave

College of Liberal Arts and Sciences Support

From: Ferran Garcia-Pichel
Sent: Thursday, February 11, 2016 4:03 PM
To: Duane Roen
Subject: Re: Splitting Concentration into Two

Ok by me

Sent from my iPhone

On Feb 11, 2016, at 3:48 PM, "Duane Roen" <Duane.Roen@asu.edu> wrote:
Ferran,

Do you object to the College of Letters and Sciences splitting the BS in Applied Biological Sciences concentration in Applied Ecology and Preveterinary Medicine (<https://cls.asu.edu/node/723>) into two separate concentrations?

As noted in the message that I sent in early January, the two concentrations would be as follows:

- Preveterinary Medicine
- Natural Resource Ecology

Thank you for considering this request.

Best,
Duane

Duane Roen
Vice Provost, Polytechnic campus
Dean, College of Letters and Sciences
Dean, University College
Arizona State University
480-727-6513
duane.roen@asu.edu

New College Support

From: Todd Sandrin
Sent: Thursday, March 10, 2016 1:50 PM
To: Duane Roen
Subject: RE: BS in Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS in Applied Biological Science (Preveterinary Medicine), BS in Applied Biological Science (Natural Resource Ecology)

No problem, Duane. New College foresees no negative impacts of these two new concentrations on our programs.

Best regards,

Todd

Todd R. Sandrin, Ph.D.
Professor – School of Mathematical and Natural Sciences
Associate Dean – New College | Director - NCUIRE
New College | Arizona State University
(602) 543-6934 | Todd.Sandrin@asu.edu | Lab - <http://sandrin-lab.asu.edu>

From: Duane Roen
Sent: Tuesday, March 08, 2016 2:45 PM
To: Todd Sandrin <Todd.Sandrin@asu.edu>
Subject: FW: BS in Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS in Applied Biological Science (Preveterinary Medicine), BS in Applied Biological Science (Natural Resource Ecology)

Todd,

Sorry to bother you again about this. You sent an impact statement on January 11 for the BS in Applied Biological Science (Preveterinary Medicine) but not the BS in Applied Biological Science (Natural Resource Ecology).

As I noted then, we are splitting the BS in Applied Biological Sciences (Applied Ecology and Preveterinary Medicine) into two separate concentrations.

Could you reply to this message indicating that New College supports both new concentrations?

Thank you.

Best,

Duane

Duane Roen
Vice Provost, Polytechnic campus
Dean, College of Letters and Sciences
Dean, University College
Arizona State University
480-727-6513