

**IDAHO STATE BOARD OF EDUCATION
ACADEMIC/PROFESSIONAL-TECHNICAL EDUCATION
NOTICE OF INTENT**

**To initiate a
New, Expanded, Cooperative, Discontinued, program component or Off-Campus Instructional
Program or Instructional/Research Unit**

Institution Submitting Proposal: University of Idaho
 Name of College, School, or Division: College of Agricultural and Life Sciences
 Name of Department(s) or Area(s): Plant, Soils & Entomological Sciences, Agricultural and
Extension Education, Agricultural Systems Management

Indicate if this Notice of Intent (NOI) is for an Academic or Professional Technical Program

Academic X Professional - Technical _____

A New, Expanded, Cooperative, Contract, or Off-Campus Instructional Program or Administrative/Research Unit (circle one) leading to:

B.S. in Agricultural and Life Sciences (B.S.Ag.L.S.) – Majors in: AGRICULTURAL SCIENCE, COMMUNICATION AND LEADERSHIP, AGRICULTURAL SYSTEMS MANAGEMENT, SUSTAINABLE CROP AND LANDSCAPE SYSTEMS (EMPHASES IN: INSECTS AND SOCIETY, SOIL AND WATER RESOURCES, SUSTAINABLE CROPPING SYSTEMS, ENVIRONMENTAL HORTICULTURE, AND PLANT BIOTECHNOLOGY)

(Degree or Certificate)

Proposed Starting Date: Fall 2010 Summer 2009

For New Programs:

For Other Activity:

Program (i.e., degree) Title & CIP 2000

- Program Component (major/minor/option/emphasis)
- Off-Campus Activity/Resident Center
- Instructional/Research Unit
- Addition/Expansion
- Discontinuance/consolidation
- Contract Program
- Other

Dean's signature on file 2/18/09
 College Dean (Institution) _____ Date

VP Research & Graduate Studies _____ Date

Chief Fiscal Officer (Institution) _____ Date

State Administrator, SDPTE _____ Date

Chief Academic Officer (Institution) _____ Date

Chief Academic Officer, OSBE _____ Date

President _____ Date

SBOE/OSBE Approval _____ Date

Before completing this form, refer to Board Policy Section III.G. Program Approval and Discontinuance.

1. Briefly describe the nature of the request e.g., is this a new program (degree, program, or certificate) or program component (e.g., new, discontinued, modified, addition to an existing program or option).

This is a new degree program -- Bachelor of Science in Agricultural and Life Sciences ([B.S.Ag.L.S.](#)). This program combines previously offered B.S. degrees: B.S. in Agroecology, Horticulture and Environmental Quality in the Department of Plant, Soils and Entomological Sciences (PSES); B.S. in Agricultural Systems Management in the Department of Biological and Agricultural Engineering (BAE); and B.S. in Agricultural Science and Technology and B.S. in Agricultural Industry Management and Communications in the Department of Agricultural and Extension Education (AEE).

2. Provide a statement of need for program or a program modification. Include student and state need, demand, and employment potential. **Attach a Scope and Sequence, SDPTE Form Attachment B, for professional-technical education requests.** (Use additional sheets if necessary.).

This new program is being offered at the request of the Provost of the University of Idaho and the Dean of the College of Agricultural and Life Sciences and is supported by the departments involved. This consolidated program offers the following majors: Agricultural Science, Communication and Leadership; Agricultural Systems Management; and Sustainable Crop and Landscape.

Student demand for the skills, and the state need for these degrees is strong. All of the majors support the U.S. food and fiber system – the system which is key to providing food to American society, and is increasingly being depended on for energy as well.

3. Briefly describe how the institution will ensure the quality of the program (e.g., accreditation, professional societies, licensing boards, etc.).

The College of Agricultural and Life Sciences at the University of Idaho regularly requests program reviews of its departments through review teams offered by the Cooperative State Research, Education and Extension Service (CSREES) of the United States Department of Agriculture (USDA), which includes a thorough investigation of academic degrees offered by these departments. All three departments involved in the proposed program regularly participate in these reviews. In addition, each of these departments is part of the outcome assessment program process which regularly investigates student performance, placement and employment as a part of reporting to the Northwest Commission on Colleges and Universities, which is the accrediting institution for the University of Idaho.

4. Identify similar programs offered within the state of Idaho or in the region by other colleges/universities. If the proposed request is similar to another program, provide a rationale for the duplication. This may not apply to PTE programs if workforce needs within the respective region have been established.

As the Land Grant University in the state of Idaho, the University of Idaho through the College of Agricultural and Life Sciences provides the only education in the state in the area of agricultural sciences. These programs are not duplicated anywhere else in the state.

Enrollment and Graduates (i.e., number of majors or other relevant data)
By Institution for the Proposed Program
Last three years beginning with the current year and the 2 previous years

Institution	Relevant Enrollment Data			Number of Graduates		
	Current	Previous Year	Previous Year	Current	Previous Year	Previous Year
BSU						
CSI						
EITC						
ISU						
LCSC						
NIC						
UI	117	125	125	26	30	45

Degrees offered by school/college or program(s) within disciplinary area under review

Institution and Degree name	Level	Specializations within the discipline (to reflect a national perspective)	Specializations offered within the degree at the institution
BSU			
CSI			
EITC			
ISU			
LCSC			
NIC			
UI			

5. Describe how this request is consistent with the State Board of Education's policy or role and mission of the institution. (i.e., centrality).

As described in #4 above, education in the agricultural sciences is part of the role and mission of the University of Idaho.

6. Is the proposed program in the 8-year Plan? Indicate below.
 Yes ___ No X

If not on 8-year plan, provide a justification for adding the program.

This program is being offered to consolidate several existing academic offerings and was not put forward previously.

8. Resources--Faculty/Staff/Space Needs/Capital Outlay. (Use additional sheets if necessary.):

Estimated Fiscal Impact	FY <u>2009</u>	FY _____	FY _____	<u>Total</u>
A. Expenditures				
1. Personnel (savings)	69273.15			69273.15
2. Operating				
3. Capital Outlay				
4. Facilities				
TOTAL:	69273.15			69273.15
B. Source of Funds				
1. Appropriated-reallocation	69273.15			69273.15
2. Appropriated – New				
3. Federal				
4. Other:				
TOTAL:	69273.15			69273.15
B. Nature of Funds				
1. Recurring *	69273.15			69273.15
2. Non-recurring **				
TOTAL:	69273.15			69273.15

* Recurring is defined as ongoing operating budget for the program, which will become of the base.

** Non-recurring is defined as one-time funding in a fiscal year and not part of the base.

B.S. Agricultural & Life Sciences

This degree offers majors in three areas: Agricultural Science, Communication and Leadership, Agricultural Systems Management and Sustainable Crop and Landscape Systems.

BS in Agricultural and Life Sciences Core

University Requirement	Courses	
J-3-a Communications		
English	Engl 101 Introduction to College Writing (if required) (3 cr.) Engl 102 College Writing and Rhetoric (3 cr.) Engl 313 Business Writing (3 cr.) OR Engl 317 Technical Writing (3 cr.)	9
Communications	Comm 101 Fundamentals of Public Speaking (2 cr.)	2
J-3-b Natural and Applied Sciences		
Natural Science	Chem 101 Introduction to Chemistry (4 cr.) OR Chem 111 Principles of Chemistry I (4 cr.) AND Biol 115 Cells and Evolution of Life (4 cr.)	8
J-3-c Mathematics, Statistics or Computer Sciences		
Mathematics	<i>One Course from the following (3-4 cr.)</i> Math 130 Finite Math (3 cr.) OR Math 143 Pre-Calc. Algebra & Analytical Geometry (3 cr.) OR Math 160 Survey of Calculus (4 cr.) OR Math 170 Analytical Geometry & Calculus (4 cr.)	3
Statistics	Stat 251 Statistical Methods (3 cr.)	3
J-3-d General Core Studies (18 cr.)		
CORE	Core Discovery (7 cr.)	7
Humanities	Select one course from approved list (J-3-d)	3
Social Sciences	Select one course from approved list (J-3-d)	3
International	AgEd 406 Exploring International Agriculture (3 cr.)	3
Additional Core Courses to total 18 credits	Selected from approved list (J-3-d) (2-5 cr.)	2
Total		43

<i>Courses specific to B.S. in Agricultural and Life Sciences</i>		
	Soils 205 The Soil Ecosystem (3 cr.)	3
	ASM 305 GPS and Precision Agriculture (3 cr.) OR or another approved GPS/GIS course	3
Total		6

Total BS in Agricultural and Life Sciences Core

49

Agricultural Science, Communication and Leadership Major

Description of Major:

Graduates of this program will have a strong foundation in agriculture business, communication and leadership skills to work in the broad industry of agriculture. Upon completion of the ASCL major, students will be eligible to earn a University of Idaho Leadership Certificate. Additionally, students are encouraged to complete the Minor in Agriculture Business by taking another 10 credits, possibly within their elective credits. Students are also encouraged to learn a foreign language to communicate and lead

within agriculture business across the globe. Students completing the Agricultural Science, Communications, and Leadership degree will also complete a field-based capstone internship experience (AgEd 498 –10 credits max), which is limited to junior and senior level students with at least a 2.00 CGPA. Prior to enrolling in the internship, students must complete the following: (1) submit and receive approval of an internship proposal (complete with all required signatures), and (2) submit a request to enroll in AgEd 498. An approved proposal must be on file prior to submitting the request to enroll in AgEd 498. The request to enroll form is due no later than 15 days prior to the start of the semester in which the student wishes to conduct the internship. Students must be registered for AgEd 498 credit for the semester during which the internship is conducted. (This includes registering for summer school if the internship is conducted during the summer.)

In addition to the Agricultural and Life Sciences Core listed above, this major requires the following courses:

Agricultural Science Requirements		
Business & Accounting	Required Courses: Econ 202 Principles of Economics (3 cr.) Acct 201 Introduction to Financial Accounting (3 cr.) AgEc 278 Farm and Agribusiness Management (4 cr.) AgEc 289 Agricultural Markets and Prices (3 cr.) AgEc 300-400 elective (3 cr.)	16
Technical Agriculture	Technical Agriculture Areas A minimum of 18 credits Two (2) of the following technical agriculture areas OR One (1) technical agriculture area plus foreign language # Agricultural Systems Management (ASM) # Animal and Veterinary Sciences (AVS) # Family and Consumer Sciences (FCS) # Food Science and Toxicology (FST) # Plant, Soils, and Entomological Sciences (PSES)	18

	Foreign Language Option A minimum of 6 credits in a foreign language	
Additional Natural Sciences	8 Natural and Applied Science electives	8
Total Ag. Sci.		42

Communications Requirements		
Communications	Required Course: AgEd 451 Communicating in Agriculture (3 cr.)	3
	Communication Electives (to total 12 cr. – selected from the following): Must include at least one upper division course (12 cr.) ComG 233 Interpersonal Communication (3 cr.) ComG 235 Organizational Communication (3 cr.) ComG 331 Conflict Management (3 cr.) ComG 332 Communication and the Small Group (3 cr.) Comm 121 Media Writing (3 cr.) Comm 252 Principles of Public Relations (3 cr.) Comm 431 Professional Presentation Techniques (3 cr.) RRT 394 Natural Resources Communication (3 cr.)	12
Total Communications		15

Leadership Requirements		
Leadership	Required Courses: AgEd 180 Introduction to Agricultural & Extension Ed. (2 cr.) AgEd 450 Developing Leaders (2 cr.)	4
Leadership	Leadership Electives (to total 12 cr. – selected from the following): AgEd 252 Developing Organizations (1 cr.) AgEd 253 Parliamentary Procedure (1 cr.) AgEd 359 Developing 4-H Youth Programs (2 cr.) AgEd 448 Foundations of Extension Education (3 cr.) Bus 311 Introduction to Management (3 cr.) Bus 413 Organizational Behavior (3 cr.) Bus 418 Organizational Theory (3 cr.) MS 101/111 Introduction to Military Science/ Leadership Lab (2 cr.) MS 102/112 Fundamentals of Leadership and Management/ Leadership Lab (3 cr.) MS 201/211 Applied Leadership and Management/ Leadership Lab (3 cr.) MS 202/212 Applied Leadership and Management/ Leadership Lab (3 cr.) NR 310 Leadership for Natural Resource Management (1 cr.) PEP 460 Competition and Social Values (2 cr.) REC 254 Camp Leadership (3 cr.) REC 320 Outdoor Recreation Leadership (2 cr.) REC 329 Leadership in Recreation (3 cr.) RRT 491 Wilderness Leadership for Personal Growth (3 cr.) RRT 486 Public Involvement in Natural Resource Mngt. (3 cr.)	12
Internship	AgEd 498 Internship (5-10 cr.)	5
Total Leadership		21
Electives	Advisor approved electives	4

Total for Major in Agricultural Science, Communication and Leadership

128

Agricultural Systems Management Major

Description of Major:

Agricultural Systems Management emphasizes the use and management of equipment and systems based on an understanding of their design and operation. Agricultural systems management courses are designed to provide students with experience in systems technology and analysis of agricultural equipment and machinery applications, feed and food processing, agricultural electrification, soil and water management, waste management, agricultural systems, and fabrication practices for agricultural and natural resource-based enterprises.

In addition to the Agricultural and Life Sciences Core listed above, this major requires the following courses:

	Business and Economics Requirements	
	Acct. 201 (Intro. to Financial Accounting (3 cr.) Acct. 202 (Intro. to Managerial Accounting (3 cr.) Ag Ec 278 Farm and Agribusiness Management (3 cr.) BLaw 265 Legal Environment of Business (3 cr.) Econ 201 Principles of Economics (3 cr.) Econ 202 Principles of Economics (3 cr.) Business Elective (See list in Dept. office) (3 cr.) Upper Division (300 level or higher) Ag Ec or Bus elective (3 cr.)	24
	Agricultural Systems Management Requirements	
	ASM 112 Intro. to Agricultural Systems management (3 cr.) ASM 200 Seminar (1 cr.) ASM 202 Agricultural Shop Practices (2 cr.) ASM 315 Irrigation Systems and Water Management (3 cr.) ASM 331 Electric Power Systems for Agriculture (3 cr.) ASM 409 Agricultural Tractors and Power Units (4 cr.) ASM 433 Agricultural Processing Systems (3 cr.) BAE 478 Biological and Agricultural Engineering Design I (2 cr.) BAE 479 Biological and Agricultural Engineering Design II (2 cr.) BAE 491 Seminar (1 cr.)	24
	Engineering and Physics Requirements	
	Engr 105 Engineering Graphics (2 cr.) OR PTTE 267 Computer Aided Design (3 cr.) AND Phys 100 Fundamentals of Physics OR Phys 111 General Physics I OR Phys 211 Engineering Physics I (4 cr.)	6-7
	Agriculture and Life Science Requirements	
	PLSc 102 The Science of Plants in Agriculture (3 cr.) Soil 206 The Soil Ecosystem Lab (1 cr.) Agriculture and Technical Electives (See list in Dept. Office) (19 cr.) Life Science Electives (See list in Dept. Office) (3 cr.)	26
Electives	Advisor approved electives	2

Total for Major in Agricultural Systems Management

128-129

Sustainable Crop and Landscape Systems Major

Description of the Sustainable Crop and Landscape Systems Major:

The Department of Plant, Soil, and Entomological Sciences offers the major Sustainable Crop and Landscape Systems focusing on the application of science to sustain and enhance human life. The program includes emphasis areas that focus on the earth's biological and physical resources in agricultural, urban and natural landscapes. Selection of an emphasis area and appropriate courses from lists of recommended courses prepares students for graduate education or careers in agriculture, horticulture, environmental science, soil science, or an array of biological and ecological sciences. Students in agriculture and horticulture develop skills needed for professional careers in crop production, plant maintenance, pest control, biotechnology, and biological control of insects, weeds, and diseases. Students in soil and water resources prepare for careers relevant to environmental quality and the protection, restoration, and sustainable use of soil and water resources. Specialization in entomology or more basic areas of plant sciences, e.g. molecular biology, can prepare students for continuing education or employment in many fields of biology and ecology.

Major in Sustainable Crop and Landscape Systems Major Core

	Science Requirements	
	Biol 213 Principles of Biological Structure and Function of Life OR PISc 205 General Botany (4 cr.) AND: Chem 275 Carbon Compounds OR Chem 277 Organic Chemistry I (3 cr.) MMBB 300 Survey of Biochemistry (3 cr.) OR Chem 253 Quantitative Analysis (5 cr.) (based on emphasis area)	10-12
	Entomology Requirement	
	Ent 322 General and Applied Entomology (4 cr.)	4
	Plant Science Requirement	
	PISc 102 The Science of Plants in Agriculture (3 cr.) PISc 400 Seminar (1 cr.) PISc 415 Plant Pathology or Soil 425 Microbial Ecology (3 cr.) PISc 438 Pesticides in the Environment (3 cr.)	10
Total		24-26

Emphasis Areas within the Sustainable Crop and Landscape Systems Major:

Within this major we offer five emphasis areas: Sustainable Cropping Systems, Environmental Horticulture, Insects and Society, Plant Biotechnology and Soil and Water Resources. These offer students opportunities in numerous areas of interest and allow flexibility to develop a study plan targeted to a student’s specific interests and goals. Examples of interest areas include: Agroecology, Sustainable Landscapes, Organic Farming, Turf and Landscape Management, Native Plants, Horticultural Entrepreneurship, and Entomology. To illustrate the breadth of education that is available, recommended courses for students interested in each emphasis area follow (these courses are in addition to the Agricultural and Life Sciences Core listed above):

Recommended Emphasis Option Courses for Students Interested in Insects and Society (45 credits)

	Biology and Chemistry Recommendations	
	Biol 116 Organisms and Environment (4 cr.) Biol 210 (4 credits) <i>or</i> Gene 314 Genetics (3 cr.) Biol 212 Molecular and Cellular Biology (4 cr.) Biol 314 Ecology and Population Biology (4 cr.) Biol 341 Systematic Botany (3 cr.) Biol 484 Invertebrate Zoology (4 cr.) Chem 112 Principles of Chemistry II (5 cr.)	
	Entomology Recommendations	
	Ent 440 Insect Identification (4 cr.) Ent 441 Insect Ecology (3 cr.) Ent 446 Host Plant Resistance to Insects and Pathogens (3 cr.) Ent 484 Insect Anatomy and Physiology (4 cr.) Ent 491 Insect Pest Management (3 cr.) Entomology electives (5 credits)	
	Math and Physics Recommendations	
	Math 170 Analytical Geometry and Calculus (4 cr.) Mathematics electives (4 cr.) Physics electives (4 cr.)	
	Biotechnology and Life Science Recommendations	
	Biotechnology elective (3 cr.) Life Science electives (6 cr.)	
Total		45

Electives	Advisor approved electives	11-13
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Total for Major in Sustainable Crop and Landscape Systems (emphasis in Insects and Society) 128

**Recommended Emphasis Option Courses for Students Interested in Soil and Water Resources
(45 credits)**

	Science Recommendations	
	Chem 112 Principles of Chemistry II (5 cr.) Geol 101 Physical Geology (4 cr.) Physics 111 & 112 General physics I & II (8 cr.)	
	Math and Computer Science Recommendations	
	CS 101 Intro to Comp Sci OR CS 112 Intro to Problem Solving and Programming (3 cr.) Math 160 Survey of Calculus OR Math 170 Analytical Geometry and Calculus (4 credits)	
	Soils Recommendations	
	Soil 206 The Soil Ecosystem Laboratory (1 cr.) Soil 415 Soil Physics (3 cr.) Soil 422 Environmental Soil Chemistry (3 cr.) Soil 437 Soil Biology <i>or</i> Soil 425 Microbial Ecology (3 cr.) Soil 446 Soil Fertility (3 cr.) Soil 454 Soil Development and Classification (3 cr.) Soil 499 DS: Professional certification (1 cr.)	
Total		45

Electives	Advisor approved electives	11-13
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Total for Major in Sustainable Crop and Landscape Systems (emphasis in Soil and Water Resources) 128

Recommended Emphasis Option Courses for Students Interested in Sustainable Cropping Systems (45 credits)

	Science Recommendations	
	Chem 276 Carbon Compounds Lab OR Chem 278 Organic Chemistry I Lab (1 cr.) Gen 314 General Genetics (3 cr.) MMBB 154, 155 Introductory Microbiology and Lab OR MMBB 250, 255 General Microbiology and Lab (4 cr.) Biol electives	
	Plant Science Recommendations	
	PISc 338 Weed Control (3 cr.) PISc 398 Internship OR PISc 499 Directed Study (3 cr.) PISc 401 Plant Growth and Development (3 cr.) PISc 407 Field Crop Production (3 cr.) PISc 360 World Agricultural Systems (3 cr.) (WSU) PISc 408 Cereal Science (3 cr.) PISc 410 Biology of Weeds (3 cr.) PISc 418 Post Harvest Biology and Technology (3 cr.) (WSU) PISc 446 Plant Breeding (3 cr.) PISc 480 Field Trip (1 cr.) PISc 490 Potato Science (3 cr.) PISc 499 Directed Study (credits arranged) PISc electives	
	Soils Recommendations	
	Soil 206 The Soil Ecosystem Lab (1 credit) Soil 446 Soil Fertility (3 credits)	
Total		45

	Specialization Electives from among:	
	Accounting, Animal and Veterinary Sciences, Agricultural Economics, Biology, Business, Business Law, Chemistry, Computer Sciences, Economics, Entomology, Foreign Languages (maximum of 4 credits), Forestry, Landscape Architecture, Microbiology, Molecular Biology and Biochemistry, Physics, Plant Science, Rangeland Ecology and Management, Soils	9-13

Electives	Advisor approved electives	7
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Total for Major in Sustainable Crop and Landscape Systems (emphasis in Sustainable Cropping Systems) 128

Recommended Emphasis Option Courses for Students Interested in Environmental Horticulture (45 credits)

	Science Recommendations	
	Chem 276 Carbon Compounds Lab OR Chem 278 Organic Chemistry I Lab (1 cr.) Gen 314 General Genetics (3 cr.) MMBB 154, 155 Introductory Microbiology and Lab OR MMBB 250, 255 General Microbiology and Lab (4 cr.) LArc electives	
	Plant Science Recommendations	
	PISc 201 Principles of Horticulture (3 cr.) PISc 300 Plant Propagation (3 cr.) PISc 302 Golf and Sports Turf Management (3 cr.) PISc 310 Pomology (3 cr.) (WSU) PISc 311 Pomology Lab (1 cr.) (WSU) PISc 313 Viticulture (3 cr.) (WSU) PISc 320 Olericulture – Commercial Vegetable Crops (1 cr.) (WSU) PISc 321 Olericulture Lab – Commercial Vegetable Crops (1 cr.) (WSU) PISc 334 Controlled Environments for Horticulture Production (3 cr.) WSU) PISc 338 Weed Control (3 cr.) PISc 340 Nursery Management (3 cr.) PISc 341 Nursery Management Lab (1 cr.) PISc 398 Internship OR PISc 499 Directed Study (3 cr.) PISc 401 Plant Growth and Development (3 cr.) PISc 433 Plant Tissue Culture Techniques (3 cr.) PISc 439 Ornamental Plant Production (4 cr.) (WSU) PISc 464 Landscape Maintenance (3 cr.) PISc 480 Field Trip (1 cr.) PISc 499 Directed Study (credits arranged) PISc electives	
	Soils Recommendations	
	Soil 206 The Soil Ecosystem Lab (1 credit)	
Total		45

	Specialization Electives from among:	
	Accounting, Animal and Veterinary Sciences, Agricultural Economics, Biology, Business, Business Law, Chemistry, Computer Sciences, Economics, Entomology, Foreign Languages (maximum of 4 credits), Forestry, Landscape Architecture, Microbiology, Molecular Biology and Biochemistry, Physics, Plant Science, Rangeland Ecology and Management, Soils	9-13

Electives	Advisor approved electives	7
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Total for Major in Sustainable Crop and Landscape
Systems (emphasis in Environmental Horticulture)

128

Recommended Emphasis Option Courses for Students Interested in Plant Biotechnology (45 credits)

	Science Recommendations	
	Biol 444 Genomics (3 cr.) Chem 276 Carbon Compounds Lab OR Chem 278 Organic Chemistry I Lab (1 cr.) CropS 425 Crop Biotechnology (3 cr.) (WSU) Gen 314 General Genetics (3 cr.) MMBB 154, 155 Introductory Microbiology and Lab OR MMBB 250, 255 General Microbiology and Lab (4 cr.) MMBB 380 Introductory Biochemistry (3 cr.) MMBB 485 Prokaryotic Molecular Biology (3 cr.) MMBB 487 Eukaryotic Microbiology (3 cr.) MMBB 487 Genetic Engineering (3 cr.) Biol electives MMBB electives	
	Plant Science Recommendations	
	PISc 300 Plant Propagation (3 cr.) PISc 398 Internship OR PISc 499 Directed Study (3 cr.) PISc 401 Plant Growth and Development (3 cr.) PISc 418 Post Harvest Biology and Technology (3 cr.) (WSU) PISc 433 Plant Tissue Culture Techniques (3 cr.) PISc 446 Plant Breeding (3 cr.) PISc 464 Landscape Maintenance (3 cr.) PISc 480 Field Trip (1 cr.) PISc 499 Directed Study (credits arranged) PISc electives	
Total		45

	Specialization Electives from among:	
	Accounting, Animal and Veterinary Sciences, Agricultural Economics, Biology, Business, Business Law, Chemistry, Computer Sciences, Economics, Entomology, Foreign Languages (maximum of 4 credits), Forestry, Landscape Architecture, Microbiology, Molecular Biology and Biochemistry, Physics, Plant Science, Rangeland Ecology and Management, Soils	9-13

Electives	Advisor approved electives	7
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Total for Major in Sustainable Crop and Landscape Systems (emphasis in Sustainable Cropping Systems) 128

Agricultural Science, Communication and Leadership (B.S.Ag.L.S.)

Required course work includes the university requirements (see regulation J-3) and:

[Acct 201 Introduction to Financial Accounting \(3 cr\)](#)
[AgEc 278 Farm and Agribusiness Management \(4 cr\)](#)
[AgEc 289 Agricultural Markets and Prices \(3 cr\)](#)
[AgEd 180 Introduction to Agricultural and Extension Education \(2 cr\)](#)
[AgEd 406 Exploring International Agriculture \(2 cr\)](#)
[AgEd 450 Developing Leaders \(2 cr\)](#)
[AgEd 451 Communicating in Agriculture \(2 cr\)](#)
[AgEd 498 \(s\) Internship \(5-10 cr\)](#)
[ASM 305 GPS and Precision Agriculture \(3 cr\)](#)
[Biol 115 Cells and the Evolution of Life \(4 cr\)](#)
[Chem 101 Introduction to Chemistry I or Chem 111 Principles of Chemistry I \(4 cr\)](#)
[Comm 101 Fundamentals of Public Speaking \(2 cr\)](#)
[Econ 202 Principles of Economics \(3 cr\)](#)
[Engl 313 Business Writing or Engl 317 Technical Writing \(3 cr\)](#)
[Soil 205 The Soil Ecosystem \(3 cr\)](#)
[Stat 251 Statistical Methods \(3 cr\)](#)
[Additional Natural and Applied Sciences \(8 cr\)](#)
[Upper-Division Agricultural Economics elective \(3 cr\)](#)
[One of the following \(3-4cr\):](#)

[Math 130 Finite Mathematics \(3 cr\)](#)
[Math 143 Pre-calculus Algebra and Analytic Geometry \(3 cr\)](#)
[Math 160 Survey of Calculus \(4 cr\)](#)
[Math 170 Analytic Geometry and Calculus I \(4 cr\)](#)

[One of the following \(18 cr\)](#)

[Nine credits in two different subject areas chosen from Agricultural System Management \(ASM\), Animal and Veterinary Science \(AVS\), Entomology \(Ent\), Family and Consumer Science \(FCS\), Food Science \(FS\), Plant Science \(PISc\), and Soils \(Soil\).](#)
[12 credits in one subject area chosen from Agricultural System Management \(ASM\), Animal and Veterinary Science \(AVS\), Entomology \(Ent\), Family and Consumer Science \(FCS\), Food Science \(FS\), Plant Science \(PISc\), and Soils \(Soil\) AND Six credits from a Foreign Language.](#)

[Communication Electives including one upper-division course \(12 cr\):](#)

[Comm 233 Interpersonal Communication \(3 cr\)](#)
[Comm 235 Organizational Communication \(3 cr\)](#)
[Comm 331 Conflict Management \(3 cr\)](#)
[Comm 332 Communication and the Small Group \(3 cr\)](#)
[Comm 431 Applied Business and Professional Communication \(3 cr\)](#)
[JAMM 121 Media Writing \(3 cr\)](#)
[JAMM 252 Principles of Public Relations \(3 cr\)](#)

[Leadership Electives \(12 cr\):](#)

[AgEd 253 Parliamentary Procedure \(1 cr\)](#)
[AgEd 359 Developing 4-H Youth Programs \(2 cr\)](#)
[AgEd 448 Foundations of Extension Education \(2 cr\)](#)
[Bus 311 Introduction to Management \(3 cr\)](#)
[Bus 413 Leadership and Organizational Behavior \(3 cr\)](#)
[Bus 418 Organization Design and Changes \(3 cr\)](#)
[CSS 486 Public Involvement in Natural Resource Management \(3 cr\)](#)
[CSS 491 Wilderness Leadership for Personal Growth \(3 cr\)](#)
[MS 101 Introduction to Military Science \(1 cr\) and MS 111 Leadership Lab \(1 cr\)](#)
[MS 102 Fundamentals of Leadership and Management \(1 cr\) and MS 112 Leadership Lab \(1 cr\)](#)
[MS 201 Applied Leadership and Management \(2 cr\) and MS 211 Leadership Lab \(1 cr\)](#)
[MS 202 Applied Leadership and Management \(2 cr\) and MS 212 Leadership Lab \(1 cr\)](#)
[NR 310 Leadership for Natural Resources Management \(1 cr\)](#)
[PEP 460 Competition and Social Values \(3 cr\)](#)
[Rec 254 Camp Leadership \(3 cr\)](#)
[Rec 320 Outdoor Recreation Leadership \(2 cr\)](#)

Agricultural Systems Management (B.S.Ag.L.S.)

Required course work includes the university requirements (see regulation J-3) and:

[Acct 201 Introduction to Financial Accounting \(3 cr\)](#)
[Acct 202 Introduction to Managerial Accounting \(3 cr\)](#)
[AgEc 278 Farm and Agribusiness Management \(4 cr\)](#)
[AgEd 406 Exploring International Agriculture \(2 cr\)](#)
[ASM 112 Introduction to Agricultural Systems Management \(3 cr\)](#)
[ASM 200 Seminar \(1 cr\)](#)
[ASM 202 Agricultural Shop Practices \(2 cr\)](#)
[ASM 305 GPS and Precision Agriculture \(3 cr\)](#)
[ASM 315 Irrigation Systems and Water Management \(3 cr\)](#)
[ASM 331 Electric Power Systems for Agriculture \(3 cr\)](#)
[ASM 409 Agricultural Tractors, Power Units and Machinery Management \(3 cr\)](#)

[ASM 433 Agricultural Processing Systems \(3 cr\)](#)
[BAE 478 Engineering Design I \(3 cr\)](#)
[BAE 479 Engineering Design II \(3 cr\)](#)
[BAE 491 Senior Seminar \(1 cr\)](#)
[Biol 115 Cells and the Evolution of Life \(4 cr\)](#)
[BLaw 265 Legal Environment of Business \(3 cr\)](#)
[Chem 101 Introduction to Chemistry I or Chem 111 Principles of Chemistry I \(4 cr\)](#)
[Comm 101 Fundamentals of Public Speaking \(2 cr\)](#)
[Econ 201 Principles of Economics \(3 cr\)](#)
[Econ 202 Principles of Economics \(3 cr\)](#)
[Engr 105 Engineering Graphics or PTTE 267 Computer Aided Drafting/Design \(2-3 cr\)](#)
[Engl 313 Business Writing or Engl 317 Technical Writing \(3 cr\)](#)
[PISc 102 The Science of Plants in Agriculture \(3 cr\)](#)
[Soil 205 The Soil Ecosystem \(3 cr\)](#)
[Soil 206 The Soil Ecosystem Lab \(1 cr\)](#)
[Stat 251 Statistical Methods \(3 cr\)](#)
[Agricultural and Technical Electives \(19 cr\)](#)
[Business Elective \(3 cr\)](#)
[Life Science Elective \(3 cr\)](#)
[Upper-Division Agricultural Economics or Business elective \(3 cr\)](#)
[One of the following \(3-4cr\):](#)
[Math 130 Finite Mathematics \(3 cr\)](#)
[Math 143 Pre-calculus Algebra and Analytic Geometry \(3 cr\)](#)
[Math 160 Survey of Calculus \(4 cr\)](#)
[Math 170 Analytic Geometry and Calculus I \(4 cr\)](#)
[One of the following \(4 cr\):](#)
[Phys 100 Fundamentals of Physics \(4 cr\)](#)
[Phys 111 General Physics I \(4 cr\)](#)
[Phys 211 Engineering Physics I \(4 cr\)](#)

Sustainable Crop and Landscape Systems (B.S.Aq.L.S.)

[Required course work includes the university requirements \(see regulation J-3\) and:](#)

[AgEd 406 Exploring International Agriculture \(2 cr\)](#)
[ASM 305 GPS and Precision Agriculture \(3 cr\)](#)
[Biol 115 Cells and the Evolution of Life \(4 cr\)](#)
[Biol 213 Principles of Biological Structure and Function or PISc 205 General Botany \(4 cr\)](#)
[Chem 101 Introduction to Chemistry I or Chem 111 Principles of Chemistry I \(4 cr\)](#)
[Chem 275 Carbon Compounds or Chem 277 Organic Chemistry I \(3 cr\)](#)
[Comm 101 Fundamentals of Public Speaking \(2 cr\)](#)
[Engl 313 Business Writing or Engl 317 Technical Writing \(3 cr\)](#)
[Ent 322 General and Applied Entomology \(4 cr\)](#)
[MMBB 300 Survey of Biochemistry or Chem 253 Quantitative Analysis \(3-5 cr\)](#)
[PISc 102 The Science of Plants in Agriculture \(3 cr\)](#)
[PISc 400 \(s\) Seminar \(1 cr\)](#)
[PISc 415 Plant Pathology \(3 cr\)](#)
[PISc 438 Pesticides in the Environment \(3 cr\)](#)
[Soil 205 The Soil Ecosystem \(3 cr\)](#)
[Stat 251 Statistical Methods \(3 cr\)](#)
[One of the following \(3-4cr\):](#)
[Math 130 Finite Mathematics \(3 cr\)](#)
[Math 143 Pre-calculus Algebra and Analytic Geometry \(3 cr\)](#)
[Math 160 Survey of Calculus \(4 cr\)](#)
[Math 170 Analytic Geometry and Calculus I \(4 cr\)](#)

[And one of the following emphases:](#)

A. Insects and Society

[Courses selected from the following areas \(45 cr\):](#)

[Biology and Chemistry Recommendations](#)

[Biol 116 Organisms and Environments \(4 cr\)](#)
[Biol 210 Genetics \(4 cr\)](#)
[Biol 212 Molecular and Cellular Biology \(4 cr\)](#)
[Biol 314 Ecology and Population Biology \(4 cr\)](#)
[Chem 112 Principles of Chemistry II \(5 cr\)](#)
[Gene 314 General Genetics \(3 cr\)](#)
[REM 341 Systematic Botany \(3 cr\)](#)

[Entomology Recommendations](#)

[Ent 440 Insect Identification \(4 cr\)](#)
[Ent 441 Insect Ecology \(3 cr\)](#)

[Ent 446 Host Plant Resistance to Insects and Pathogens \(3 cr\)](#)
[Ent 484 Insect Anatomy and Physiology \(4 cr\)](#)
[Ent 491 Principles of Insect Pest Management \(3 cr\)](#)
[Entomology Electives \(5 cr\)](#)

[Math and Physics Recommendations](#)

[Mathematics Electives \(4 cr\)](#)
[Physics Electives \(4 cr\)](#)

[Biotechnology and Life Science Recommendations](#)

[Biotechnology Elective \(3 cr\)](#)
[Life Science Electives \(6 cr\)](#)

B. Soil and Water Resources

[Courses selected from the following areas \(45 cr\):](#)

[Science Recommendations](#)

[Chem 112 Principles of Chemistry II \(5 cr\)](#)
[Geol 101 Physical Geology \(4 cr\)](#)
[Phys 111 General Physics I \(4 cr\)](#)
[Phys 112 General Physics II \(4 cr\)](#)

[Math and Computer Science Recommendations](#)

[CS 101 Introduction to Computer Science \(3 cr\)](#)
[CS 112 Introduction to Problem Solving and Programming \(3 cr\)](#)

[Soils Recommendations](#)

[Soil 206 The Soil Ecosystem Lab \(1 cr\)](#)
[Soil 415 Soil and Environmental Physics \(3 cr\)](#)
[Soil 422 Environmental Soil Chemistry \(3 cr\)](#)
[Soil 425 Microbial Ecology \(3 cr\)](#)
[Soil 437 Soil Biology \(3 cr\)](#)
[Soil 446 Soil Fertility \(3 cr\)](#)
[Soil 454 Soil Development and Classification \(3 cr\)](#)
[Soil 499 Directed Study \(1 cr\)](#)

C. Sustainable Cropping Systems

[Specialization Electives \(9-13 cr\):](#)

[Accounting](#)
[Animal and Veterinary Sciences](#)
[Agricultural Economics](#)
[Biology](#)
[Business](#)
[Business Law](#)
[Chemistry](#)
[Computer Science](#)
[Economics](#)
[Entomology](#)
[Foreign Languages \(max 4 credits\)](#)
[Forest Products](#)
[Forest Resources](#)
[Landscape Architecture](#)
[Microbiology, Molecular Biology and Biochemistry](#)
[Physics](#)
[Plant Science](#)
[Rangeland Ecology and Management](#)
[Soils](#)

[Courses selected from the following areas \(45 cr\):](#)

[Science Recommendations](#)

[Chem 276 Carbon Compounds Lab \(1 cr\)](#)
[Chem 278 Organic Chemistry I: Lab \(1 cr\)](#)
[Gene 314 General Genetics \(3 cr\)](#)
[MMBB 154, 155 Introductory Microbiology and Lab \(4 cr\)](#)
[MMBB 250, 255 General Microbiology and Lab \(5 cr\)](#)
[Biology Electives](#)

[Plant Science Recommendations](#)

[PISc 338 Weed Control \(3 cr\)](#)

[PISc 360 World Agricultural Systems \(3 cr\)](#)
[PISc 398 Internship \(3 cr\)](#)
[PISc 401 Plant Growth and Development \(3 cr\)](#)
[PISc 407 Field Crop Production \(3 cr\)](#)
[PISc 408 Cereal Science \(3 cr\)](#)
[PISc 410 Biology of Weeds \(3 cr\)](#)
[PISc 418 Post-Harvest Biology and Technology \(3 cr\)](#)
[PISc 446 Plant Breeding \(3 cr\)](#)
[PISc 480 Field Trip \(1 cr\)](#)
[PISc 499 Directed Study \(cr arr\)](#)
[Plant Science Electives](#)

[Soils Recommendations](#)

[Soil 206 The Soil Ecosystem Lab \(1 cr\)](#)
[Soil 446 Soil Fertility \(3 cr\)](#)

D. Environmental Horticulture

[Specialization Electives \(9-13 cr\):](#)

[Accounting](#)
[Animal and Veterinary Sciences](#)
[Agricultural Economics](#)
[Biology](#)
[Business](#)
[Business Law](#)
[Chemistry](#)
[Computer Science](#)
[Economics](#)
[Entomology](#)
[Foreign Languages \(max 4 credits\)](#)
[Forest Products](#)
[Forest Resources](#)
[Landscape Architecture](#)
[Microbiology, Molecular Biology and Biochemistry](#)
[Physics](#)
[Plant Science](#)
[Rangeland Ecology and Management](#)
[Soils](#)

[Courses selected from the following areas \(45 cr\):](#)

[Science Recommendations](#)

[Chem 276 Carbon Compounds Lab \(1 cr\)](#)
[Chem 278 Organic Chemistry I: Lab \(1 cr\)](#)
[Gene 314 General Genetics \(3 cr\)](#)
[MMBB 154, 155 Introductory Microbiology and Lab \(4 cr\)](#)
[MMBB 250, 255 General Microbiology and Lab \(5 cr\)](#)
[Landscape Architecture Electives](#)

[Plant Science Recommendations](#)

[PISc 201 Principles of Horticulture \(3 cr\)](#)
[PISc 300 Plant Propagation \(3 cr\)](#)
[PISc 302 Golf and Sports Turf Management \(3 cr\)](#)
[PISc 310 Pomology \(3 cr\)](#)
[PISc 311 Pomology Laboratory \(1 cr\)](#)
[PISc 313 Viticulture and Small Fruits \(3 cr\)](#)
[PISc 320 Olericulture--Commercial Vegetable Crops \(3 cr\)](#)
[PISc 334 Controlled Environments for Horticultural Production \(3 cr\)](#)
[PISc 338 Weed Control \(3 cr\)](#)
[PISc 340 Nursery Management \(3 cr\)](#)
[PISc 341 Nursery Management Laboratory \(1 cr\)](#)
[PISc 398 Internship \(1-6 cr, max 6\)](#)
[PISc 401 Plant Growth and Development \(3 cr\)](#)
[PISc 433 Plant Tissue Culture Techniques \(3 cr\)](#)
[PISc 439 Ornamental Plant Production \(4 cr\)](#)
[PISc 464 Landscape Maintenance \(3 cr\)](#)
[PISc 480 Field Trip \(1 cr\)](#)
[PISc 499 Directed Study \(cr arr\)](#)
[Plant Science Electives](#)

[Soils Recommendations](#)

[Soil 206 The Soil Ecosystem Lab \(1 cr\)](#)

E. Plant Biotechnology

Specialization Electives (9-13 cr):

Accounting
Animal and Veterinary Sciences
Agricultural Economics
Biology
Business
Business Law
Chemistry
Computer Science
Economics
Entomology
Foreign Languages (max 4 credits)
Forest Products
Forest Resources
Landscape Architecture
Microbiology, Molecular Biology and Biochemistry
Physics
Plant Science
Rangeland Ecology and Management
Soils

Courses selected from the following areas (45 cr):

Science Recommendations

Biol 444 Genomics (3 cr)
Chem 276 Carbon Compounds Lab (1 cr)
Chem 278 Organic Chemistry I: Lab (1 cr)
Gene 314 General Genetics (3 cr)
MMBB 154, 155 Introductory Microbiology and Lab (4 cr)
MMBB 250, 255 General Microbiology and Lab (5 cr)
MMBB 380 Introductory Biochemistry (4 cr)
MMBB 485 Prokaryotic Molecular Biology (3 cr)
MMBB 487 Eukaryotic Molecular Genetics (3 cr)
MMBB 488 Genetic Engineering (3 cr)

Plant Science Recommendations

PISc 300 Plant Propagation (3 cr)
PISc 398 Internship (1-6 cr, max 6)
PISc 401 Plant Growth and Development (3 cr)
PISc 418 Post-Harvest Biology and Technology (3 cr)
PISc 433 Plant Tissue Culture Techniques (3 cr)
PISc J446/ID-J546 Plant Breeding (3 cr)
PISc 464 Landscape Maintenance (3 cr)
PISc 480 Field Trip (1 cr)
PISc 499 Directed Study (cr arr)
Plant Science Electives

Notice of Intent (NOI) Approval Tracking Form

Committee Chairs please append this document to the relevant NOI and send it forward to the next committee for review.

Committee: Academic Programs Advisory Committee, CALS

Program/Degree: B.S. Agricultural and Life Sciences

Discussion:

The Dean and Associate Dean presented the rationale for consolidating these four programs (B.S. A.S.M., B.S. A.S.T., B.S. Agroecolo.Hort.Enviro., and B.S. A.E.E. – A.I.M.C.) into one degree – B.S. Agricultural and Life Sciences. A committee member asked how these consolidations will save money. The Associate Dean clarified that money will be saved through salary savings.

The representative from the Agricultural Education department voiced his department's support of the NOI. The representative from the Plant, Soil, and Entomological Sciences department volunteered to answer questions from others, but did not feel comfortable speaking for his entire department. He was asked no questions. The representative from the Biological and Agricultural Engineering department did not voice an opinion about this NOI.

The other points discussed revolved around catalog language and the NOI Approval Tracking Form, and are not pertinent to this document.

Vote: 1 in favor, 1 opposed, 5 abstaining

Notice of Intent (NOI) Approval Tracking Form

Committee Chairs please append this document to the relevant NOI and send it forward to the next committee for review.

Committee: University Curriculum Committee Date: 2/23/09

Present: Richard Battaglia, Jill Dacey (Chair), Gail Eckwright, Walter Hesford, Allen Kitchel, John Marshall, Mark Secrist, Bob Stone, Richard Wells, Jeanne Christiansen, Jean Henscheid, Rod Hill, Nancy Krogh, Heidi Anderson, Garrett Holbrook, Joel Zwainz.

Absent: Ruprecht Machleidt.

Others Present: Margrit Von Braun, Paul Joyce (substitute for Ruprecht Machleidt), Chris Thompson, Paul Rowland, Kathy Browder, James (Ding) Johnson, Andrew Brewick, Janet Rachlow, Robert Zemetra, Kathy Aiken, James Connors, Carl Hunt, Sandra Evenson, 1 Other Guest, Charles Tibbals, Dwaine Hubbard

Program/Degree: Create the Bachelor of Science in Agricultural and Life Sciences (B.S.Ag.L.S.) and the majors of: Agricultural Science, Communication and Leadership; Agricultural Systems Management; and Sustainable Crop and Landscape Systems with emphases in: Insects and Society; Soil and Water Resources; Sustainable Cropping Systems; Environmental Horticulture; and Plant Biotechnology.

Discussion:

UCC-09-095, 09-096, 09-097, 09-098, & 09-106 College of Agricultural and Life Sciences

Following an extensive discussion concerning all of these NOIs the committee voted to consider items UCC-09-095, 09-096, 09-097, 09-098, & 09-106 together as one single motion.

The committee first reviewed the proposed Notice of Intent (NOI) (**UCC-09-096**) from the College of Agricultural and Life Sciences to discontinue the Bachelor of Science in Agricultural Education (B.S.Ag.Ed.) major in Agricultural Education Agricultural Industry Management and Communication Option. The committee approved the proposed NOI 12 for and 0 against.

The committee then reviewed the proposed Notice of Intent (NOI) (**UCC-09-097**) from the College of Agricultural and Life Sciences to discontinue the Bachelor of Science in Agroecology, Horticulture and Environmental Quality degree (B.S.Agroecol.Hort.Enviro.) and its associated options. Committee member Wells asked about the statement that indicated the department felt that enrollments would drop with the proposed name change (see UCC-09-095). Bob Zemetra noted that the change is not by choice. Committee member Krogh asked if this series of changes was nothing more than one-to-one name changes. Ding Johnson noted that these changes were completed in haste to meet the proposed timelines. Zemetra highlighted the frequency of name changes for the plant, soil and entomological sciences majors has hurt their ability to market their majors. Committee member Secrist asked if these changes would strength the agriculture program or diminish them. Zemetra indicated he felt it would do both for PSES. Better names for their major would aid in marketing, but the lack of specific degrees would hurt some. Jim Connors indicated that he felt the change would strength the program due to the inclusion of the leadership components. The committee approved the motion to defer vote of UCC-09-097 until UCC-09-095 has been considered (no formal vote count recorded).

The committee then reviewed the proposed Notice of Intent (NOI) (**UCC-09-095**) from the College of Agricultural and Life Sciences to create the Bachelor of Science in Agricultural and Life Sciences degree (B.S.Ag.L.S.) and the majors of: Agricultural Science, Communication and Leadership; Agricultural Systems Management; and Sustainable Crop and Landscape Systems with emphases in: Insects and Society; Soil and Water Resources; Sustainable Cropping Systems; Environmental Horticulture; and Plant Biotechnology. Committee member Wells asked if this new degree would save money or cost money. The committee noted that the enrollment data combined the enrollments from all programs being dropping that are being subsumed into this proposed degree. Committee chair Dacey asked why the vote of 1 approve, 1 deny and 5 abstentions from the college curriculum committee (APAC) on this NOI. Andrew Brewick reviewed APAC's vote and provides some of the comments to the committee from Dean Hammel. Dacey asked what positions were not being filled that provided the savings listed on the NOI. Ding Johnson indicated that the positions not being filled were: Plant Pathology and

Undergraduate Horticulture. Bob Zemetra provided insight on why the emphases were divided up as they have been. Zemetra also commented that it is the department's hope that the new names will be more attractive to students and will aid in marketing. Johnson and Brewick explained that the college intends to develop a Core Discovery course aimed primarily at agricultural students and would encourage their students to take it. Dacey asked if there was really only 4 agricultural courses that is being required of all 3 majors under the B.S.Ag.L.S. Zemetra noted that all the programs coming together on this degree are radically different from each other and finding a common set of courses between them all is challenging especially given the short time span this all had to be accomplished in. Committee members Holbrook and Zwainz noted their opposition to this proposed NOI. The committee discussed tabling NOIs 09-095, 09-096, 09-097, 09-098, & 09-106 until more of their questions could be answered by the departments involved in this new program. Johnson noted that modifying courses to better fit into a common core will take time to accomplish. Johnson further added that it is his feeling that the new names are an improvement and will aid in marketing. Committee member Eckwright asked how the department would market this major. Zemetra provides some ideas on how the department might approach that. Committee member Hill asked if the department had considered more coordination with Washington State University (WSU). Johnson and Zemetra indicated that the department is currently working with WSU to create a greater level of cooperation between the two institutions.

The committee approved a motion to reconsider UCC-09-096 12 for and 0 against.

The committee denied a motion to defer items UCC-09-095, 09-096, 09-097, 09-098, & 09-106 until next meeting 4 for and 7 against with 1 abstention.

The committee approved the motion to consider items UCC-09-095, 09-096, 09-097, 09-098, & 09-106 together 12 for and 0 against.

The committee **Denied** the proposed NOIs 0 for and 10 against with 2 abstentions, and will forward the proposed NOIs to Faculty Council for review.

Note:

UCC-09-095 – Create the Bachelor of Science in Agricultural and Life Sciences (B.S.Ag.L.S.) and the majors of: Agricultural Science, Communication and Leadership; Agricultural Systems Management; and Sustainable Crop and Landscape Systems with emphases in: Insects and Society; Soil and Water Resources; Sustainable Cropping Systems; Environmental Horticulture; and Plant Biotechnology.

UCC-09-096 – Discontinue the Bachelor of Science in Agricultural Education (B.S.Ag.Ed.) major in Agricultural Education Agricultural Industry Management and Communication Option.

UCC-09-097 – Discontinue the Bachelor of Science in Agroecology, Horticulture and Environmental Quality degree (B.S.Agroecol.Hort.Envirn.) and its associated options.

UCC-09-098 – Discontinue the Bachelor of Science in Agricultural Systems Management degree (B.S.A.S.M.) and its associated options.

UCC-09-106 – Discontinue the Bachelor of Science in Agricultural Science and Technology degree (B.S.Ag.Sci.Tech.) and its associated major.

Vote: Denied – 0 for and 10 against with 2 abstentions