

# MICHIGAN STATE UNIVERSITY

August 20, 2010

## MEMORANDUM

TO: Dr. Douglas Estry, Associate Provost for Undergraduate Education  
and Dean of Undergraduate Studies

FROM: Dr. Linda O. Stanford, Associate Provost for Academic Services

RE: Request to Phase Out and Discontinue the Bachelor of Science Degree  
in Agriscience

For Transmittal to the University Committee on Academic Policy  
(UCAP)

The request referenced above is being sent to the University Committee on Academic Policy (UCAP) in accordance with the *Bylaws for Academic Governance*, 4.4.

### UCAP Response Requested:

Please ask the UCAP to consider the request referenced above and provide consultative commentary. Please mail the related materials referenced under the heading Attachments at the end of this memorandum to UCAP members.

After receiving UCAP's consultative response, the Provost will make a determination to discontinue or not to discontinue this program. If the Provost determines that the program will be discontinued, the request will be forwarded to the University Committee on Curriculum for deletion of curriculum and degree requirements.

If you have any questions, please call Joy Speas, University Curriculum Administrator at 5-8420.

Thank you.

### Attachments:

1. Request for a Change in an Academic Program form dated May 3, 2010: Bachelor of Science Degree in Agriscience and attachments.
2. Student Enrollments by Program; Student Awards by Programs (for the request referenced above).

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## COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

1. Request to delete the curriculum and degree requirements in the **Bachelor of Science** degree in **Agriscience** in the Department of Community, Agriculture, Recreation and Resource Studies. The University Committee on Academic Policy (UCAP) will provide consultative commentary to the Provost after considering this request at its September 16, 2010 meeting. The Provost will make a determination after considering the consultative commentary from the University Committee on Academic Policy.

No new students are to be admitted to the program effective Spring 2008. No students are to be readmitted to the program effective Spring 2008. Effective Fall 2014, coding for the program will be discontinued and the program will no longer be available in the Department of Community, Agriculture, Recreation and Resource Studies. Students who have not met the requirements for the Bachelor of Science degree in Agriscience through the Department of Community, Agriculture, Recreation and Resource Studies prior to Fall 2014 will have to change their major.

<b>View a Program</b>		<b>Main Menu</b>
Joy Speas, RO	Tuesday, 5/4/2010	
<b>Program Name: Agriscience</b> <b>Degree: BS Sequence Number: 4</b>	Program Request ID: 1727	
<b>Effective Dates: Fall 2008 Status: Interim Initial Action: Deleted</b>		
<b>Requested Date: 3/24/2010 6:08:15 PM</b>		
<p><b>1. Department/School/College:</b> 02241 .... Department of Community, Agriculture, Recreation and Resource Studies</p> <p><b>2. Name of Program:</b> Agriscience</p> <p><b>3. Name of Degree:</b> BS</p> <p><b>4. Type of Program:</b> TE GroupSubject</p> <p><b>5. Effective Start Semester:</b> Fall 2008</p> <p><b>Effective End date:</b> Fall 2014</p> <p><b>Will the proposed change(s) have a negative impact on students? If so, which ones?:</b> All current Agriscience students should be completed by Fall 2014</p> <p><b>Describe impact and explain what accommodations will be made:</b> NA</p> <p><b>Reason(s) for change(s):</b> This program has been replaced with the Environmental Studies and Agriscience - Agriscience and Natural Resource Teacher Education Concentration effective Fall 2009</p>		
<b>DEPARTMENT LEVEL APPROVAL STATUS</b>		
<p>Approved: Department of Community, Agriculture, Recreation and Resource Studies 3/24/2010 6:12:58 PM by Matt Raven for David Wright, Acting Chairperson</p> <p>Comments: Secondary Education and the College of Education probably need to be included as well</p>		
<b>COLLEGE LEVEL APPROVAL STATUS</b>		
<p>Approved: College of Agriculture and Natural Resources 5/3/2010 10:07:58 AM by Eunice Foster for Eunice F. Foster, Associate Dean</p>		

## **NOTE FOR THE RECORD** *(Excerpt from the 1/27/09 Academic Council Report)*

The Department of Community, Agriculture, Recreation and Resources Studies (CARRS) was created in 2003 through the integration of three former departments: Agriculture and Natural Resources Communication and Education Systems; Park, Recreation and Tourism Resources; and Resource Development. That integration brought into one department four undergraduate majors.

Subsequent review and discussion within the department's Undergraduate Affairs and Curriculum Committee (UACC) culminated with the decision that the department would continue to offer the Park, Recreation and Tourism major. However, the UACC concluded that the Agriscience, Agriculture and Natural Resources Communications and Environmental Studies and Applications majors would be discontinued and a single new major would be introduced. The primary rationale for this decision is that both the Agriscience and Environmental Studies and Application majors were science-based integrative studies majors. A single major would serve to leverage teaching resources, and increase the integrative nature of the program by bringing agriculture, natural resources and environmental subject matter and issues, as well as student interests, under a single umbrella.

Recently, the department learned that the new Environmental Studies and Agriscience major has not yet been approved for teacher certification. Students who wish to pursue the approved concentration in Teacher Education in Agriscience Natural Resources within the new Environmental Studies and Agriscience major would not be able to be certified by the State of Michigan. The certification approval process is currently underway, however new students who wish to pursue teacher certification have no avenue to do so.

The department is requesting to reinstate the former Agriscience major to ensure program availability for teacher certification. The former requirements will be reinstated and in cases where courses may have been discontinued, appropriate substitutions will be made in consultation with the student's adviser. In the former degree program, six concentrations were available. The Teacher Certification concentration will be the only concentration reinstated and available. Students who do not wish to pursue teacher certification will be advised to apply to the Environmental Studies and Agriscience degree program.

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### **MSU Governance Process**

Agriscience, BS – Approved for Phase Out and Discontinue – Academic Council 11/20/07

Agriscience, BS – Approved for Reinstatement effective Spring 2008 – Academic Council 1/27/09 (see explanation above)

- Current students in the teacher certification concentration were the only students allowed to finish the Agriscience degree.
- All new students were advised to pursue the new Environmental Studies and Agriscience degree program (eff. SS08) which has a teacher certification concentration which is now certifiable by the State of Michigan.
- Department now requests to discontinue the Agriscience major as current teacher certification concentration students are on track to finish. All other students are pursuing the Environmental Studies and Agriscience major.

# DEPARTMENT of COMMUNITY, AGRICULTURE, RECREATION and RESOURCE STUDIES

## *David E. Wright, Chairperson*

The Department of Community, Agriculture, Recreation and Resource Studies is an interdisciplinary department that offers programs leading to the Bachelor of Science, Master of Science, and Doctor of Philosophy degrees. The department's purpose is to educate scholars and practitioners who are trained to address current and future challenges across inter-related issues in natural resources, recreation, agriculture and communities.

The department has a multidisciplinary faculty committed to scholarly programs in four cross-cutting areas that assist the development of sustainable communities: natural resources and the environment; education, communication and leadership; community, food and agriculture; and recreation and tourism. The department's programs provide opportunities for students to obtain a broad, interdisciplinary education, apply theory in practice, and emphasize one or more interdisciplinary professional areas.

The department offers credit and non-credit courses, both on and off campus, for a variety of professionals. Workshops, virtual courses, study abroad programs, and seminars also are conducted to provide professional development opportunities.

## UNDERGRADUATE PROGRAMS

### ~~AGRISCIENCE~~

This major provides a foundation for students seeking careers in the dynamic agricultural and natural resources industries. Organizing workshops and seminars, developing leadership programs for agribusiness and government agencies and for adults and youth in agriculture, and representing new product lines and services for private industry are some of the exciting careers available to agriscience graduates.

Farm organizations, private agribusinesses, and government agencies need men and women knowledgeable in a broad spectrum of agricultural disciplines. There are many professional opportunities in extension, government agencies, and private businesses as human resource directors, professional development coordinators, or public school teachers.

The Bachelor of Science Degree in Agriscience is available only to students who are pursuing teacher certification in Agriscience.

### Requirements for the Bachelor of Science Degree in Agriscience

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Science degree in Agriscience.

The University's Tier II writing requirement for the Agriscience major is met by completing Agriculture and Natural Resources 489 and Agriculture and Natural Resources Education and Communication Systems 410 and 411. Those courses are referenced in items 2. and 3. a. below.

Students who are enrolled in the Agriscience major leading to the Bachelor of Science degree in the Department of Community, Agriculture, Recreation and Resource Studies may complete an alternative track to Integrative Studies in Biological and Physical Sciences that consists of the following courses: Biological Science 110, Chemistry 141, 143 and 161. The completion of Biological Science 110 and Chemistry

161 satisfies the laboratory requirement. Biological Science 110, Chemistry 141, 143 and 161 may be counted toward both the alternative track and the requirements for the major referenced in item 3. below.

The completion of the College of Agriculture and Natural Resources mathematics requirement may also satisfy the University mathematics requirement.

2. The requirements of the College of Agriculture and Natural Resources for the Bachelor of Science degree.

Certain courses referenced in requirement 3. below may be counted toward College requirements as appropriate.

3. The following requirements for the major:

CREDITS

a.	All of the following courses:	50
	AEE 110 Foundations of ANR Communications: Learning and Leadership	2
	AEE 111 Applications of ANR Communications: Learning and Leadership	2
	AEE 210 Approaches to ANR Technology and Information Systems	2
	AEE 211 Applications of ANR Technology and Information Systems	2
	AEE 300 Approaches to Information Management and Evaluation in ANR	2
	AEE 311 Applications of Information Management and Evaluation in ANR	2
	AEE 410 Approaches to Problems in ANR Communications and Education	2
	AEE 411 Applications of Problems in ANR Communications and Education	2
	AEE 493 Professional Internship	3
	ANS 110 Introductory Animal Agriculture	4
	BS 110 Organisms and Populations	4
	BS 111 Cells and Molecules	3
	BS 111L Cells and Molecular Biology Laboratory	2
	CEM 141 General Chemistry	4
	CEM 143 Survey of Organic Chemistry	4
	CEM 161 Chemical Laboratory I	1
	CSS 101 Introduction to Crop Science	3
	CSS 210 Fundamentals of Soil and Landscape Science	3
	HRT 203 Principles of Horticulture I	2
	HRT 203L Principles of Horticulture I Laboratory	1
b.	One of the following courses:	3
	FOR 220 Forests and the Global Environment	3
	FW 203 Resource Ecology	3
	PRR 213 Introduction to Parks, Recreation and Leisure	3
	RD 201 Environmental and Natural Resources	3
	ZOL 355 Ecology	3
c.	One of the following courses:	3 or 4
	ANS 314 Genetic Improvement of Domestic Animals	4
	CSS 350 Introduction to Plant Genetics	3
	ZOL 341 Fundamental Genetics	4
d.	One of the following courses:	3
	ABM 100 Decision-making in the Agri-Food System	3
	ABM 130 Farm Management I	3
e.	The following concentration:	
	Teacher Certification (21 credits)	
	Please refer to the statement on Teacher Certification Options in the Department of Community, Agriculture, Recreation and Resource Studies.	
	TE 150 Reflections on Learning	3
	TE 250 Human Diversity, Power, and Opportunity in Social Institutions	3
	TE 302 Learners and Learning in Context - Secondary (W)	4
	TE 407 Teaching of Subject Matter to Diverse Learners - Secondary (W)	5
	TE 408 Crafting Teaching Practices - Secondary (W)	6

## Student Enrollments By Program

Lvl	Program - Description	Span	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	Total
<b>Agriculture and Natural Resources - Continued</b>													
<i>Biosystems &amp; Agricultural Engineering - Continued</i>													
<b>MS - Master of Science</b>													
GR	0212-Agr Technology & Systems Mgt	FQ89-FS06	2	3	2	1	0	0	0	0	0	0	8
GR	0502-Biosystems Engineering	US97-	11	13	12	7	12	12	11	6	6	16	106
GR	0222-Building Construction Mgt	FQ84-SS05	19	17	27	32	38	2	1	1	1	1	139
<b>NOGR - No Degree - Graduate</b>													
GR	5319-Linked BS/MS Biosystems Engr T	FS09-											
<b>NOPD - No Degree - Post Doctoral</b>													
PD	0218-Agr Technology & Systems Mgt	FQ89-FS06											
<b>PHD - Doctor of Philosophy</b>													
GR	0215-Agr Tech & Systems Mgmt	FQ89-FS06	1	1	1	1	1	1	0	0	0	0	6
GR	0202-Agricultural Engineering	FQ68-SS97	2	2	1	0	0	0	0	0	0	0	5
GR	0501-Biosystems Engineering	US97-	7	12	15	14	10	10	11	16	21	24	140
	<b>Total - Biosystems &amp; Agricultural Engineeri</b>		<b>283</b>	<b>323</b>	<b>370</b>	<b>411</b>	<b>470</b>	<b>40</b>	<b>41</b>	<b>50</b>	<b>57</b>	<b>70</b>	<b>2,115</b>

### Comm Ag Rec & Res Studies

<b>ADDU - Additional Major Undergraduate</b>													
UN	5218-Agric & Natural Resources Comm	FS04-FS07	0	0	0	0	2	2	2	3	1	0	10
UN	5211-Agriscience	FS04-FS07											
UN	5284-Envir Studies and Agriscience	SS08-	0	0	0	0	0	0	0	0	0	1	1
UN	5224-Environ Studies & Applications	FS04-FS07	0	0	0	0	2	0	0	0	0	0	2
UN	5323-Natural Res Recreation & Tour	FS09-											
UN	5221-Park, Recreation & Tourism Res	FS04-US09	0	0	0	0	0	0	0	0	1	1	2
<b>BS - Bachelor of Science</b>													
UN	5217-Agric & Natural Resources Comm	FS04-FS07	0	0	0	0	40	38	33	31	15	12	169
UN	5219-Agric & Natural Resources Comm - Second Degree	FS04-FS07	0	0	0	0	2	1	1	4	2	1	11
UN	5210-Agriscience	FS04-	0	0	0	0	40	35	40	31	27	17	190
UN	5212-Agriscience - Second Degree	FS04-FS07	0	0	0	0	0	1	2	0	0	0	3
UN	5283-Envir Studies and Agriscience	SS08-	0	0	0	0	0	0	0	16	53	80	149
UN	5285-Envir Studies and Agriscience - Second Degree	SS08-	0	0	0	0	0	0	0	1	1	5	7
UN	5223-Environ Studies & Applications	FS04-FS07	0	0	0	0	70	78	78	62	33	16	337

Fiscal Year (FY) counts are distinct student counts within the Summer, Fall, and Spring terms.  
 e.g. FY07 = distinct student count within Summer 06, Fall 06, and Spring 07.  
 If a student changed majors within the FY, he/she is counted under both majors.

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## Student Awards By Program

Lvl Program - Description	Span	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	Total
<b>Agriculture and Natural Resources - Continued</b>												
<i>Biosystems &amp; Agricultural Engineeri - Continued</i>												
<b>DUAL - Dual Major</b>												
GR 9826-Biosystems Engineering	US97-	0	0	1	0	0	0	0	1	1	0	3
<b>MS - Master of Science</b>												
GR 0212-Agr Technology & Systems Mgt	FQ89-FS06	0	1	0	1	1	0	0	0	0	0	3
GR 0502-Biosystems Engineering	US97-	1	0	8	2	2	2	4	5	0	2	26
GR 0222-Building Construction Mgt	FQ84-SS05	6	4	6	6	10	0	0	0	0	1	33
<b>NOGR - No Degree - Graduate</b>												
GR 5319-Linked BS/MS Biosystems Engr T	FS09-											
<b>NOPD - No Degree - Post Doctoral</b>												
PD 0218-Agr Technology & Systems Mgt	FQ89-FS06											
<b>PHD - Doctor of Philosophy</b>												
GR 0215-Agr Tech & Systems Mgmt	FQ89-FS06	0	0	0	0	0	1	0	0	0	0	1
GR 0202-Agricultural Engineering	FQ68-SS97	1	1	0	0	0	0	0	0	0	0	2
GR 0501-Biosystems Engineering	US97-	0	0	1	4	2	2	1	2	1	2	15
<b>Total - Biosystems &amp; Agricultural Engineeri</b>		<b>51</b>	<b>49</b>	<b>89</b>	<b>79</b>	<b>86</b>	<b>10</b>	<b>5</b>	<b>12</b>	<b>6</b>	<b>13</b>	<b>400</b>

### Comm Ag Rec & Res Studies

#### ADDU - Additional Major Undergraduate

UN 5218-Agric & Natural Resources Comm	FS04-FS07	0	0	0	0	0	0	0	1	1	0	2
UN 5211-Agriscience	FS04-FS07											
UN 5284-Envir Studies and Agriscience	SS08-											
UN 5224-Environ Studies & Applications	FS04-FS07											
UN 5323-Natural Res Recreation & Tour	FS09-											
UN 5221-Park, Recreation & Tourism Res	FS04-US09	0	0	0	0	0	0	0	0	0	1	1
<b>BS - Bachelor of Science</b>												
UN 5217-Agric & Natural Resources Comm	FS04-FS07	0	0	0	0	12	12	8	7	1	7	47
UN 5219-Agric & Natural Resources Comm - Second Degree	FS04-FS07	0	0	0	0	1	0	0	0	0	1	2
UN 5210-Agriscience	FS04-	0	0	0	0	7	7	11	3	5	4	37
UN 5212-Agriscience - Second Degree	FS04-FS07	0	0	0	0	0	0	1	0	0	0	1
UN 5283-Envir Studies and Agriscience	SS08-	0	0	0	0	0	0	0	0	2	4	6

Fiscal Year (FY) counts are counts of awards conferred during the Summer, Fall, and Spring terms.  
e.g. FY07= count of awards conferred during Summer 06, Fall 06, and Spring 07.

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