

MICHIGAN STATE UNIVERSITY

January 28, 2011

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 Coordinate Major in Lyman
Briggs College Leading to the Bachelor of Science Degree in Physics
and Geophysics

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 January 5, 2011: Lyman Briggs College Coordinate Major Leading to the Bachelor of Science Degree in Physics and Geophysics and attachments.
2. Student Enrollments by Program; Student Awards by Programs (for the request referenced above).

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Curriculum and
Catalog**

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LYMAN BRIGGS COLLEGE

1. Request to delete the curriculum and degree requirements in the **Coordinate Major in Physics and Geophysics** leading to the Bachelor of Science Degree in Lyman Briggs College. The University Committee on Academic Policy (UCAP) will provide consultative commentary to the Provost after considering this request . 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 2010. No students are to be readmitted to the program effective Spring 2010. Effective Summer 2011, coding for the program will be discontinued and the program will no longer be available in Lyman Briggs College. Students who have not met the requirements for the Coordinate Major in Physics and Geophysics through Lyman Briggs College prior to Summer 2011 will have to change their major.

View a Program		Main Menu
Joy Speas, RO	Thursday, 1/6/2011	
Program Name: LB Physics and Geophysics Degree: BS Sequence Number: 4	Program Request ID: 1949	
Effective Dates: Summer 2011 Status: Interim Initial Action: Deleted		
Requested Date: 1/5/2011 1:38:01 PM		
<p>1. Department/School/College: 28546 Lyman Briggs College</p> <p>2. Name of Program: LB Physics and Geophysics</p> <p>3. Name of Degree: BS</p> <p>4. Type of Program: Major</p> <p>5. Effective Start Semester: Summer 2011</p> <p>Effective End date: Summer 2011</p> <p>Will the proposed change(s) have a negative impact on students? If so, which ones?: None, no students enrolled.</p> <p>Describe impact and explain what accommodations will be made: No accommodations are needed.</p> <p>Reason(s) for change(s): Discontinue due to low enrollment. CNS has already submitted the delete for their Physics and Geophysics major. Since "LB Physics and Geophysics" is a coordinate major we are also submitting delete.</p>		
DEPARTMENT LEVEL APPROVAL STATUS		
Approved: Lyman Briggs College 1/5/2011 1:38:40 PM by Kelly Millenbah for Elizabeth H. Simmons, Dean		
COLLEGE LEVEL APPROVAL STATUS		
Approved: Lyman Briggs College 1/5/2011 1:38:51 PM by Kelly Millenbah for Elizabeth H. Simmons, Dean		

UNDERGRADUATE PROGRAM

The Lyman Briggs College program leads to the Bachelor of Science Degree.

Requirements for the Bachelor of Science Degree in Lyman Briggs College

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

Students who are enrolled in the College of Natural Science may complete the alternative track to Integrative Studies in Biological and Physical Sciences that is described in item 1. under the heading *Graduation Requirements* in the College statement. Certain courses referenced in requirement 3. below are equivalent to courses in the alternative track and, therefore, may be used to satisfy the alternative track.

The completion of the Lyman Briggs College mathematics and statistics requirement [referenced in item 3.c.(4) below] may also satisfy the University mathematics requirement.

The completion of Lyman Briggs 133 or one of the approved alternatives [referenced in requirement 3.a.(5)(a) below] may also be counted toward the University Tier I writing requirement.

The University's Tier II writing requirement for the Major and Coordinate Majors in Lyman Briggs College is met by completing Lyman Briggs College 492 and one of the following courses: English 473A; History 425; Lyman Briggs College 332, 333, 334, 335, 336, 355. Those courses are referenced in items 3. a. (5) and 3. a. (6) below.

2. The requirements of Lyman Briggs College for the Bachelor of Science degree, referenced in item 3. a. below.

The credits earned in certain courses referenced in requirement 3. below may be counted toward College requirements as appropriate.

3. The following requirements of Lyman Briggs College for the Bachelor of Science degree:

a. CORE PROGRAM	CREDITS
	46 to 58

- (1) **Biology:** One of the following groups of courses (8 to 10 credits):
 - (a) Lyman Briggs 144, 145.
 - (b) Lyman Briggs 148H, 149H, 158H, 159H.
 - (c) Biological Science 110, 111, 111L.
- (2) **Chemistry:** One of the following groups of courses (8 to 10 credits):
 - (a) Lyman Briggs 171, 171L, 172, 172L.
 - (b) Lyman Briggs 171, 171L; Chemistry 143
 - (c) Lyman Briggs 171, 171L; Chemistry 251.
 - (d) Chemistry 141, 142, 161.
 - (e) Chemistry 141, 143, 161.
 - (f) Chemistry 141, 161, 251.
 - (g) Chemistry 151, 152, 161.
 - (h) Chemistry 181H, 182H, 185H.
- (3) **Mathematics and Statistics:** One of the following groups of courses (6 to 11 credits):
 - (a) Lyman Briggs 118, 119.
 - (b) Lyman Briggs 118; Statistics and Probability 231.
 - (c) Mathematics 132, 133, 234.
 - (d) Mathematics 132, 133; Statistics and Probability 231.
 - (e) Mathematics 152H, 153H.
- (4) **Physics:** One of the following groups of courses (6 to 8 credits):
 - (a) Lyman Briggs 271, 271L, 272, 272L.
 - (b) Physics 231, 232, 251, 252.
 - (c) Physics 183, 184.
 - (d) Physics 181B, 182B, 251, 252.
 - (e) Physics 231B, 232B, 251, 252.
 - (f) Physics 183B, 184B.
 - (g) Physics 193H, 294H.
- (5) **History, Philosophy and Sociology of Science:** A total of 11 or 12 credits from the courses in groups (a), (b), and (c) below. In addition to completing one course from each of the three groups, the student must complete one of the following courses from group (b) or group (c): English 483; History 425; Lyman Briggs 332, 333, 334, 335, 336, 355.
 - (a) One of the following courses: Lyman Briggs 133; Writing, Rhetoric and American Cultures 110, 115, 120, 125, 130, 135, 140, 145, 150, 195H.
 - (b) One of the following courses: Lyman Briggs 331, 332, 333, 334, 335, 336, 355.
 - (c) One of the following courses: Lyman Briggs 330, 331, 332, 333, 334, 335, 336, 355, 490E; English 473A; History 425.

Each of the following courses may be used to meet either requirement 3.a.(5)(b) or requirement 3.a.(5)(c), but not both of those requirements: Lyman Briggs 331, 332, 333, 334, 335, 355.

- (6) **Senior Seminar:** Lyman Briggs 492 (4 credits).
- b. **MAJOR or COORDINATE MAJOR.**
 Each student must complete the requirements of a Major or a Coordinate Major. The Major or Coordinate Major must be chosen

from the lists of options below. **Both** the Major or Coordinate Major *and* the related courses must be approved by the student's academic advisor. With the approval of the appropriate Lyman Briggs College Curriculum Coordinator or Undergraduate Director, courses other than those that are listed as requirements for a Major or Coordinate Major may be used to satisfy degree requirements.

Majors:

Biology
Computer Science
Earth Science
Environmental Science and Management
Physical Science
History, Philosophy and Sociology of Science

Coordinate Majors:

(1) College of Agriculture and Natural Resources:

Animal Science
Fisheries and Wildlife
Entomology

(2) College of Engineering:

Computer Science

Students are admitted to this Coordinate Major after they have reached junior standing and have met certain other requirements specified by Lyman Briggs College.

(3) College of Natural Science:

Astrophysics
Biochemistry and Molecular Biology
Biochemistry/Biotechnology
Biological Science—Interdepartmental
Chemical Physics
Chemistry
Computational Chemistry
Computational Mathematics
Diagnostic Molecular Science
Earth Science—Interdepartmental
Environmental Biology/Microbiology
Environmental Biology/Plant Biology
Environmental Biology/Zoology
Environmental Geosciences
Genomics and Molecular Genetics
Geological Sciences
Human Biology
Mathematics
Medical Technology
Microbiology
Nutritional Sciences
Physical Science—Interdepartmental
Physics
~~Physics and Geophysics~~
Physiology
Plant Biology
Statistics
Zoology

Student Enrollments By Program

Lvl Program - Description	Span	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	Total
Lyman Briggs College - Continued												
<i>Lyman Briggs - Continued</i>												
UN 3519-Genomics & Molecular Genetics	FS08-	0	0	0	0	0	0	0	0	43	65	108
UN 3521-Genomics & Molecular Genetics - Second Degree	FS08-	0	0	0	0	0	0	0	0	2	5	7
UN 3522-Geological Sciences	FS08-	0	0	0	0	0	0	0	0	2	1	3
UN 3524-Geological Sciences - Second Degree	FS08-											
UN 3296-Hist,Philosophy & Soc of Sci	SS09-	0	0	0	0	0	0	0	0	26	31	57
UN 3298-Hist,Philosophy & Soc of Sci - Second Degree	SS09-	0	0	0	0	0	0	0	0	5	2	7
UN 3525-Human Biology	FS08-	0	0	0	0	0	0	0	0	384	441	825
UN 3527-Human Biology - Second Degree	FS08-	0	0	0	0	0	0	0	0	15	16	31
UN 3528-Mathematics	FS08-	0	0	0	0	0	0	0	0	22	29	51
UN 3530-Mathematics - Second Degree	FS08-	0	0	0	0	0	0	0	0	0	1	1
UN 3531-Medical Technology	FS08-	0	0	0	0	0	0	0	0	79	93	172
UN 3533-Medical Technology - Second Degree	FS08-	0	0	0	0	0	0	0	0	4	4	8
UN 3534-Microbiology	FS08-	0	0	0	0	0	0	0	0	70	70	140
UN 3536-Microbiology - Second Degree	FS08-	0	0	0	0	0	0	0	0	2	1	3
UN 3537-Nutritional Sciences	FS08-	0	0	0	0	0	0	0	0	95	96	191
UN 3539-Nutritional Sciences - Second Degree	FS08-	0	0	0	0	0	0	0	0	2	4	6
UN 3290-Physical Science	FS08-	0	0	0	0	0	0	0	0	1	1	2
UN 3292-Physical Science - Second Degree	FS08-											
UN 3540-Physical Science-Interdept	FS08-	0	0	0	0	0	0	0	0	1	1	2
UN 3542-Physical Science-Interdept - Second Degree	FS08-											
UN 3543-Physics	FS08-	0	0	0	0	0	0	0	0	32	35	67
UN 3545-Physics - Second Degree	FS08-	0	0	0	0	0	0	0	0	1	1	2
UN 3546-Physics and Geophysics	FS08-SS10	0	0	0	0	0	0	0	0	1	0	1
UN 3548-Physics and Geophysics - Second Degree	FS08-SS10	0	0	0	0	0	0	0	0	1	1	2
UN 3263-Physiology	FS08-	0	0	0	0	0	0	0	0	201	207	408
UN 3265-Physiology - Second Degree	FS08-	0	0	0	0	0	0	0	0	6	5	11
UN 3266-Plant Biology	FS08-	0	0	0	0	0	0	0	0	4	3	7
UN 3268-Plant Biology - Second Degree	FS08-											
UN 3293-Science & Technology Studies	FS08-FS08	0	0	0	0	0	0	0	0	23	0	23

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.

Student Awards By Program

LV1 Program - Description	Span	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	Total
Lyman Briggs College - Continued												
<i>Lyman Briggs - Continued</i>												
UN 3519-Genomics & Molecular Genetics	FS08-	0	0	0	0	0	0	0	0	1	7	8
UN 3521-Genomics & Molecular Genetics - Second Degree	FS08-	0	0	0	0	0	0	0	0	0	3	3
UN 3522-Geological Sciences	FS08-											
UN 3524-Geological Sciences - Second Degree	FS08-											
UN 3296-Hist,Philosophy & Soc of Sci	SS09-	0	0	0	0	0	0	0	0	3	11	14
UN 3298-Hist,Philosophy & Soc of Sci - Second Degree	SS09-	0	0	0	0	0	0	0	0	3	1	4
UN 3525-Human Biology	FS08-	0	0	0	0	0	0	0	0	53	81	134
UN 3527-Human Biology - Second Degree	FS08-	0	0	0	0	0	0	0	0	3	0	3
UN 3528-Mathematics	FS08-	0	0	0	0	0	0	0	0	2	1	3
UN 3530-Mathematics - Second Degree	FS08-											
UN 3531-Medical Technology	FS08-	0	0	0	0	0	0	0	0	7	14	21
UN 3533-Medical Technology - Second Degree	FS08-											
UN 3534-Microbiology	FS08-	0	0	0	0	0	0	0	0	5	18	23
UN 3536-Microbiology - Second Degree	FS08-											
UN 3537-Nutritional Sciences	FS08-	0	0	0	0	0	0	0	0	17	16	33
UN 3539-Nutritional Sciences - Second Degree	FS08-	0	0	0	0	0	0	0	0	0	1	1
UN 3290-Physical Science	FS08-	0	0	0	0	0	0	0	0	0	1	1
UN 3292-Physical Science - Second Degree	FS08-											
UN 3540-Physical Science-Interdept	FS08-											
UN 3542-Physical Science-Interdept - Second Degree	FS08-											
UN 3543-Physics	FS08-	0	0	0	0	0	0	0	0	3	2	5
UN 3545-Physics - Second Degree	FS08-	0	0	0	0	0	0	0	0	1	0	1
UN 3546-Physics and Geophysics	FS08-SS10											
UN 3548-Physics and Geophysics - Second Degree	FS08-SS10											
UN 3263-Physiology	FS08-	0	0	0	0	0	0	0	0	40	47	87
UN 3265-Physiology - Second Degree	FS08-	0	0	0	0	0	0	0	0	0	1	1
UN 3266-Plant Biology	FS08-	0	0	0	0	0	0	0	0	1	0	1
UN 3268-Plant Biology - Second Degree	FS08-											
UN 3293-Science & Technology Studies	FS08-FS08	0	0	0	0	0	0	0	0	1	0	1



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.