

MICHIGAN STATE UNIVERSITY

October 22, 2018

MEMORANDUM

TO: Dr. Mark Largent, Interim Associate Provost for Undergraduate Education and Dean of Undergraduate Studies

FROM: Dr. John Gaboury, Associate Provost for Academic Services, Enrollment Management, and Academic Initiatives

RE: Request to Change the Graduation Requirements (CORE) for the Bachelor of Science Degree in Lyman Briggs College

For Transmittal to the University Committee on Undergraduate Education (UCUE)

The request referenced above is being sent to you for action by the University Committee on Undergraduate Education (UCUE).

UCUE Response Requested:

Please ask the UCUE to consider the request referenced above. Please mail the related materials referenced under the heading Attachments at the end of this memorandum to the members of the UCUE.

The academic program and course requests referenced above will be included on the agenda for the November 1, 2018 meeting of Subcommittee A, University Committee on Curriculum (UCC). Requests that are approved by Subcommittee A on November 1 will be before the Full Committee, UCC, for action on November 29, 2018. Requests that are approved by the Full Committee on November 29 will be included in the January 15, 2019, Report of the UCC to the Faculty Senate.

If you have any questions about this memorandum or the attached materials, please call me at 5-8420.

Thank you for your help.

Attachments:

1. Entry for the November 1, 2018 meeting of Subcommittee A.
2. Request for Changes in an Academic Program forms dated September 28, 2018: Graduation Requirements for the Bachelor of Science Degree in Lyman Briggs College and attachments.
3. Draft, of the work copy for the Academic Programs section of the University catalog: Graduation Requirements for the Bachelor of Science Degree in Lyman Briggs College, page 1 .

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University Curriculum and Catalog

Hannah Admin. Building
426 Auditorium Road
Room 439
East Lansing, MI 48824

517-355-8420
Fax: 517-355-9601

LYMAN BRIGGS COLLEGE

1. Request to change the **Graduation Requirements for Lyman Briggs College** leading to the **Bachelor of Science Degree in Lyman Briggs College**. The University Committee on Undergraduate Education (UCUE) will consider this request.
 - a. Under the heading **Requirements for Bachelor of Science Degree in Lyman Briggs College** make the following changes:
 - (1) In item 3. a. change the total credits from '46 to 55' to '48 to 57'.
 - (2) Replace item 3. a. (4) with the following:

Physics: One of the following groups of courses (8 to 10 credits):

 - (a) Lyman Briggs 273, 274.
 - (b) Physics 231, 232, 251, 252.
 - (c) Physics 183, 184, 191, 192.
 - (d) Physics 183B, 184B, 191, 192.
 - (e) Physics 191, 192, 193H, 294H.

Effective Fall 2019.



Michigan State University Office of the Registrar

Program Name: Lyman Briggs College - Graduation Requirements Degree: BS Sequence Number: 6		Program Request ID: 3693
Effective Dates: Fall 2019 - Open	Status: Interim	Initial Action: Change
Requested Date: 3/23/2018 2:16:53 PM		
<p>1. Department/School/College: 28546 Lyman Briggs College</p> <p>2. Name of Program: Lyman Briggs College - Graduation Requirements</p> <p>3. Name of Degree: BS</p> <p>4. Type of Program: Prev:College Degree Requirements New:</p> <p>5. Effective Start Semester: Prev: Fall 2017 New: Fall 2019</p> <p>6. Target student audience for the program: Lyman Briggs College entering students</p> <p>7. Enrollment: What is the expected enrollment per year: 625 What is the minimum enrollment acceptable: 1</p> <p>8. Source of budget for the program: To align academic planning and curricular change, ALL requests for NEW funds must be included in the College's annual planning letter. Provost approval of new funds and the effective date for the new program must align. If funding is not approved, then the program request will not be forwarded to Faculty Senate.</p>		

College reallocation

If new funds, was this request included in the College's annual planning letter? Indicate yes or no. If no, then this is a department or college fund reallocation (If the program is implemented, no additional resources are required.).

9. Projected Costs as compared to other programs in unit:

Same

10. Staff requirement:

How many additional staff will be required: 0

Who will provide the primary instruction. Describe any external linkages(industry, government, etc.):

11. Will additional equipment be required:

Approximate cost: 0

Source of funding:

12. Will additional library materials be required:

Approximate cost: 0

Source of funding: Adequate

13. Will additional space be required:

Type:

Approximate amount:

14. If the program requirements contain a named concentration, do you wish for the concentration to be noted on the student's transcript?:

No

15. Detailed Description:

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: Lyman Briggs College 321A, 321B, 322A, 322B, 323A, 323B, 324A, 324B, 325A, 325B, 326A, 326B, 327A, or 327B. 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 (~~46 to 55 credits~~): **(48 to 57 credits)**

(1) **Biology**: One of the following groups of courses (8 to 10 credits):

- (a) Lyman Briggs 144, 145.
- (b) Biological Science 181H, 191H, 182H, 192H.
- (c) Biological Science 161, 171, 162, 172.

(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 8 credits):

- (a) Lyman Briggs 118, 119.
- (b) Lyman Briggs 118; Statistics and Probability 231.
- (c) Mathematics 132, 133.
- (d) Mathematics 132; Statistics and Probability 231.
- (e) Mathematics 152H, 153H.

(4) **Physics**: One of the following groups of courses (~~6 to 8 credits~~): **(8 to 10 credits)**

- (a) Lyman Briggs 273, 274.
- (b) Physics 231, 232, 251, 252.
- (c) Physics 183, 184, **191, 192.**
- (d) Physics 183B, 184B, **191, 192.**

(e) Physics 193H, 294H, 191, 192.

(5) **History, Philosophy and Sociology of Science:** A total of 11 or 12 credits from the courses in groups (a), (b), and (c) below.

(a) One of the following courses: Lyman Briggs 133; Writing, Rhetoric and American Cultures 101.

(b) One of the following courses: Lyman Briggs 321A, 322A, 323A, 324A, 325A, 326A, 327A.

(c) One of the following courses: Lyman Briggs 321B, 322B, 323B, 324B, 325B, 326B, 327B.

(6) Senior Seminar: Lyman Briggs 492 (4 credits).

16. Are there admissions requirements for this program?:

Grade or grade-point average requirements and if so in which course(s), portfolio requirement, audition, essay, etc. If there are not admission requirements other than those required by the University policy indicate "none".

None.

17. Type(s) of change(s):

Requirements in the college core (adding PHY labs)

18. Students who will be affected by the proposed changes:

LB students who elect to take PHY instead of the LB coded physics courses for their college requirements

19. Will the proposed change(s) have a negative impact on students? If so, which ones?:

students electing PHY courses for their college core

Describe impact and explain what accommodations will be made: Students electing to take the non-LBC Physics sequence will be required to take

20. Reason(s) for change(s):

The faculty are requiring the completion of general physics labs as part of the core requirement. The current version permits students to complete the physics courses without the laboratories.

DEPARTMENT LEVEL APPROVAL STATUS

Approved: Lyman Briggs College

3/23/2018 2:23:38 PM by Philip Strong for Mark Largent, Acting Dean

SIGNOFFS STATUS

No Response by: College of Natural Science

Signed Off: Department of Physics and Astronomy
3/23/2018 2:47:28 PM by Stuart Tessmer for Phillip M. Duxbury, Chairperson

COLLEGE LEVEL APPROVAL STATUS

Approved: Lyman Briggs College
9/28/2018 3:24:08 PM by Philip Strong for Michele Horner Jackson, Dean

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**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.

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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.

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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:

- | | | |
|--|---------------------|-----------------|
| | CREDITS | |
| a. CORE PROGRAM | 46 to 55 | 48 to 57 |
| (1) Biology: One of the following groups of courses
(8 to 10 credits): | | |
| (a) Lyman Briggs 144, 145. | | |
| (b) Biological Science 181H, 191H, 182H, 192H. | | |
| (c) Biological Science 161, 171, 162, 172. | | |
| (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 8 credits): | | |
| (a) Lyman Briggs 118, 119. | | |
| (b) Lyman Briggs 118; Statistics and Probability 231. | | |
| (c) Mathematics 132, 133. | | |
| (d) Mathematics 132; Statistics and Probability 231. | | |
| (e) Mathematics 152H, 153H. | | |
| (4) Physics: One of the following groups of courses
(6 to 8 credits): | | 8 to 10 credits |
| (a) Lyman Briggs 273, 274. | | |
| (b) Physics 231, 232, 251, 252. | | |
| (c) Physics 183, 184, 191, 192 | | |
| (d) Physics 183B, 184B, 191, 192 | | |
| (e) Physics 193H, 294H, 191, 192 | | |
| (5) History, Philosophy and Sociology of Science: A total of
11 or 12 credits from the courses in groups (a), (b), and (c)
below. | | |
| (a) One of the following courses: Lyman Briggs 133; Writing, Rhetoric and American Cultures 101. | | |
| (b) One of the following courses: Lyman Briggs 321A, 322A, 323A, 324A, 325A, 326A, 327A. | | |
| (c) One of the following courses: Lyman Briggs 321B, 322B, 323B, 324B, 325B, 326B, 327B. | | |
| (6) Senior Seminar: Lyman Briggs 492 (4 credits). | | |