

**ACADEMIC SENATE PROPOSAL TRACKING SHEET**  
**(Document To Be Originated by the Academic Senate Secretary On Canary Color Paper)**

<b>Proposal #</b> 23-30	<b>Title:</b> Course Revision for BCH 360 - Add Prerequisite CHMY 323
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(Proposal explanation, submitter and college dean signatures on attached program/degree or course revision form.)

**All proposals MUST have their originating college faculty body (Arts, Sciences & Education; Health Sciences; Technical Sciences) approval and must be signed by the submitter and the college dean before being submitted to the Academic Senate Secretary.**

1. Submit all proposals (using the appropriate Academic Senate program/degree and/or course revision forms or General Education Inclusion form) to the Academic Senate Secretary. **NOTE: Level 1 or Level 2 forms must be submitted concurrent with this proposal where applicable. For Education proposals, PEU approval must be received prior to forwarding the proposal to the Senate.**
2. The Academic Senate Secretary logs and numbers items and forwards them to the appropriate Academic Senate subcommittee(s): General Education (if applicable), or Curriculum. A digital copy of the proposal will be linked on the Academic Senate Proposal page by the Academic Senate Secretary.
3. The Academic Senate subcommittee(s) consider(s) the proposal. If approved, the proposal is returned to the Academic Senate Secretary for forwarding to the next committee. If a committee disapproves the proposal, the committee will provide written rationale to the originator, via the Academic Senate.\* The originator may request that the item be forwarded to the next body for consideration. Upon completion of subcommittee action, the proposal will be returned to the Academic Senate Secretary for consideration at the next Academic Senate meeting.
4. The Academic Senate considers the proposal and recommends approval or disapproval. If approved, the proposal is forwarded to the Provost for consideration within 10 working days. If the Academic Senate disapproves the proposal, the Academic Senate will provide written rationale to the originator. \* The originator may request that the item be forwarded to the Full Faculty for consideration, utilizing procedures set forth in the Senate Bylaws.
5. Approved proposals will be forwarded to the Provost. The Provost approves or disapproves the proposal. If approved, the proposal is then forwarded to the Chancellor. From this point forward, the Provost's Administrative Assistant will update the Proposal page on the website by contacting the webmaster.
7. The Chancellor approves or disapproves the proposal.
8. If approved, the proposal will then either be implemented or referred to MSU for further action. The tracking page on the Provost site will be updated as required.

**Subcommittee and Academic Senate college representatives will notify their respective colleges of the progress of submitted proposals or the proposal may be tracked via the web page -- <http://www.msun.edu/admin/provost/senate/proposals.htm>**

**Documentation and forms for the curriculum process are also available on the web page: <http://www.msun.edu/admin/provost/forms.htm>**

**\* If a proposal is disapproved, it is returned to the Dean of the submitting college who then notifies the originator.**

**See back for tracking form**

	Date	Action Taken	Signature	Date	Comments/Reason for Disapproval	Sent to	Date	Transmittal E-mail sent
Received by Senate Secretary	12/1/2023	Tracking form initiated	<small>DocuSigned by:</small> Brittany Garden <small>7151CC9454D99458</small>	12/1/2023	sent to Curriculum	Committee	12/1/2023	DocuSign
General Education Committee (if applicable)		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved						
Curriculum Committee (if applicable)	1/4/2024	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	<small>DocuSigned by:</small> Casey Donovan <small>7C0032707A0A0003</small>	1/4/2024	Passed - Forward to Academic Senate			
Academic Senate	1/12/2024	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	<small>DocuSigned by:</small> Valerie Guyard <small>1E598E81224E1A3B</small>	1/12/2024				
Provost	01/22/24	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	<small>DocuSigned by:</small> [Signature] <small>1E598E81224E1A3B</small>	1/22/24				
Chancellor	1-26-2024	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	[Signature] [Signature]	1-26-2024		Provost	1/29/24	
MSU		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved						
BOR		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved						
NWCCU		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved						
Provost		Advise originating college and Academic Senate of status. Update Web page.						
Registrar		Catalog/Policy Manual Update						

**NOTE:** The secretary of the Academic Senate will update the Academic Senate Proposal web page from initial receipt until the proposal reaches the Provost. The Provost's Administrative Assistant will ensure that the current status of each proposal is maintained on the Academic Senate Proposal web page from that point forward.

## COURSE REVISION FORM

NEW \_\_\_\_\_ DROPPED \_\_\_\_\_ MAJOR REVISION X FOR INFORMATION ONLY \_\_\_\_\_

- For purposes of this form, "For Information Only" should be used for catalog description or objective changes ONLY

College CASE Program Area Biology

Submitter \_\_\_\_\_ Dean \_\_\_\_\_ Date 10/19/2023  
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):

The organic functional groups necessary for understanding Biochemistry are not covered in any Organic Chemistry 1 class across the country; therefore, even as a Fundamentals of Biochemistry course Organic chemistry 2 (CHMY 323) should have been a prerequisite, but the Biology major currently only requires Organic 1 but that is about to change.

Please provide the following information:

**Course Prefix & No.:**

BCH 360

**Current Course Title: Fundamentals of Biochemistry**

**Proposed Course Title (when applicable): Fundamentals of Biochemistry**

**Current # of Credits: 3**

**Proposed # of Credits (when applicable): 3**

**[please specify degrees]:**

**Required by:**

**Selective in:**

**Elective in:** Biology Major

**General Education Category:** none

**Lecture: 3 credits**

**Lecture/Lab: No**

**Gradable Lab: No**

**Lecture contact hours per week:** 3

**Lab contact hours per week:** 0

**Current Catalog Description (include all prerequisites):**

Principles of modern biochemistry. Prerequisite: CHMY 321 or consent of instructor. This course does not meet the laboratory science requirement.

**Proposed or New Catalog Description (include all prerequisites):**

Principles of modern biochemistry. Prerequisite: CHMY 323 (Organic Chemistry 2). This course does not meet the laboratory science requirement for the General Education core.

**Course Outcomes/Objectives:**

- Understand in greater detail the current scientific theories on the origin of life;
- Understand water's complex properties and how that relates to life;
- Understand DNA structure and sequencing;
- Understand Protein primary structure;
- Understand Protein secondary, tertiary and quaternary structures;
- Understand the functions of myoglobin, hemoglobin, muscle contraction and antibodies;
- Understand carbohydrate structures and synthesis;
- Understand lipid structures and membrane transport;
- Understand basic enzymatic catalysis.

**Please note additional instructional resources needed, if any (including library materials, special equipment, and facilities). Approval does not indicate support for new faculty or additional resources.**

Updated 4/4/2023