

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

Proposal # 22-39	Title: BMIS 2XX; Introduction to Coding for Data Analytics - New
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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 (Ex. Arts & Sciences, Education and Nursing; Technical Sciences) approval and must be signed by the submitter and the college dean before being submitted to the Academic Senate Secretary.

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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 transmittal e-mail will be sent to the Recording Secretary of the receiving committee, cc Provost's Administrative Assistant, by the Academic Senate Secretary. 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 originator may request that the item be forwarded to the next body for consideration. The committee will provide written rationale to the originator, via the Academic Senate, when a proposal is disapproved and the proposal is returned to the originator. Upon completion of committee action, the proposal will be returned to the Academic Senate Secretary, and a transmittal e-mail sent by the Committee Recorder to the Senate Secretary, cc Provost's Administrative Assistant.
4. The Academic Senate considers the proposal and recommends approval or disapproval. If approved, the proposal is forwarded to the Provost for consideration. If the Academic Senate disapproves the proposal, the originator may request that the item be forwarded to the Full Faculty for consideration, utilizing the procedures set forth in the Senate Bylaws. The Academic Senate will provide written rationale to the originator when proposals are disapproved and the proposal is returned to the originator.
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.
7. The Chancellor approves or disapproves the proposal.
8. 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 is also available on the web page:
<http://www.msun.edu/admin/provost/forms.htm>**

******* (If a proposal is disapproved at any level, it is returned through the Academic Senate secretary and the Senate President, to the Dean of the submitting college who then notifies the originator.**

	Date	Action Taken	Signature	Date	Comments/Reason for Disapproval	Sent to	Date	Transmittal E-mail sent
*Abstract received by Senate Secretary		Copy to Senate President. Forward to Provost.						
*Provost		<input type="checkbox"/> Abstract Approved <input type="checkbox"/> Disapproved						
Received by Senate Secretary	03/03/2023	Tracking form initiated	D Bradley		Forward to Gen Ed	K Udayakumar		DocuSign
General Education Committee (if applicable)	03/30/2023	<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved	D Bradley		N/A	C Donoven		DocuSign
Curriculum Committee (if applicable)	3/29/23	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	DocuSigned by: Casey Donoven		Forward to Academic Senate	V Guyant		DocuSign
Academic Senate	8/2/2023	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	DocuSigned by: Valerie Guyant		forward to Provost	V. Guyant		DocuSign
Full Faculty (if necessary)		<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved	DE995B0729A143B...					
Provost	8/3/23	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	Jonathan Brown	8/3/23				
Chancellor		<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved	Gregory D. Kepl	8.4.23				
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. *Abstract and pre-approval required for new programs ONLY.

COURSE REVISION FORM

NEW X DROPPED _____ MAJOR REVISION _____ FOR INFORMATION ONLY _____

College COTS Program Area BUSINESS Date Sep, 22

Submitter [Signature] Dean [Signature] Date 5-11-23
Signature Signature (indicates "college" level approval)

Please provide a brief explanation & rationale for the proposed revision(s):
Create a new course which will provide students the option to explore coding and data analytics.

Please provide the following information:

College: COTS
Program Area: BUSINESS
Date: September, 22
Course Prefix & No.: BMIS 2xx

Course Title: Introduction to Coding for Data Analytics
Credits: 3

Required by:

Selective in:

Elective in:

General Education: Category II – Mathematics, Category VII - Technology

Lecture: X

Lecture/Lab:

Gradable Lab:

Contact hours lecture: 3

Contact hours lab:

Current Catalog Description (include all prerequisites): n/a

Proposed or New Catalog Description (include all prerequisites):

This course is an introduction to coding and analytics techniques. No prior programming or coding experience is required. The course covers coding constructs with the Python programming language including: Statements; Decisions; Repetition; Functions; Arrays; Lists; Maps; and more. An introduction and use of analytic libraries such as Math; AI; ML; Stats; Graphics and more is included.

Course Outcome Objectives:

- Understand the essential structures of coding by demonstrating their use in Python.
- Understand the logic and reasoning of coding in general and be able to solve problems using logic and reasoning.
- Use mathematical reasoning to create and implement statistical models for analysis of data from several disciplines.
- Examine how coding in Python can automate communication of events and information to streamline solving problems in several disciplines.
- Discuss concerns with big data analysis and how it may impact privacy concerns.
- Code and execute Python scripts to solve problems

Additional instructional resources needed (including library materials, special equipment, and facilities). Please note: approval does not indicate support for new faculty or additional resources.

Python needs to be installed on computer lab units. Python is free.