

# ACADEMIC SENATE PROPOSAL TRACKING SHEET

**(Document To Be Originated By Academic Senate Secretary On Canary Color Paper)**

**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.**

1. Submit all proposals (using the appropriate Academic Senate program/degree and/or course revision forms) to the Academic Senate Secretary.
2. The Academic Senate Secretary logs and numbers items and forwards them to the appropriate Academic Senate subcommittee(s): Teacher Education (if applicable), General Education (if applicable), or Curriculum.
3. The Academic Senate subcommittee(s) consider(s) the proposal. If approved, the proposal is forwarded 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 when a proposal is disapproved and the proposal is returned to the originator.
4. The Academic Senate considers the proposal and approves or disapproves. If approved, the proposal is forwarded to the Full Faculty for consideration. If the Academic Senate disapproves the proposal, the originator may request that the item be forwarded to the Full Faculty for consideration. The Academic Senate will provide written rationale to the originator when proposals are disapproved and the proposal is returned to the originator.
5. The Full Faculty considers Academic Senate approved proposals. If faculty approve, the proposal will then be forwarded to the Provost. The Provost approves or disapproves the proposal. If approved, the proposal is then forwarded to the Chancellor.
7. The Chancellor approves or disapproves the proposal.

**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/asproposals.htm>**

**Documentation and forms for the curriculum process is also available on the web page:**

**<http://www.msun.edu/admin/provost/asforms.htm>**

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

<b>Proposal #</b> <u>06-15</u>	<b>Title:</b> <u>CIS &amp; EET AAS Program Revisions</u>
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(proposal explanation, submitter and college dean signatures on attached program/degree or course revision form)

Received by ACAD Senate Forwarded to Teacher Ed Council  Forwarded to Gen Ed Committee  Returned to ACAD Senate Forwarded to Curriculum Committee  Returned to ACAD Senate for Vote  Sent to Provost's office for Full Faculty vote Voted on at Full Faculty meeting  Forwarded to Provost for Approval/Disapproval  Forwarded to Chancellor for Approval/Disapproval  Copies sent to originating college and registrar's office Updated 09/29/05	Date <u>2/16/07</u>   <u>2/16/07</u> <del><u>2/16/07</u></del> <u>3/19/07</u> <u>3/12/07</u>  <u>3/20/07</u>   <u>4/9/07</u>  <u>4/17/07</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Approved _____</td> <td style="width: 50%; text-align: center;">Disapproved _____</td> </tr> <tr> <td style="border-top: 1px solid black; text-align: center;">Signature _____</td> <td style="border-top: 1px solid black; text-align: center;">Date _____</td> </tr> <tr> <td style="text-align: center;">Approved _____</td> <td style="text-align: center;">Disapproved _____</td> </tr> <tr> <td style="border-top: 1px solid black; text-align: center;">Signature _____</td> <td style="border-top: 1px solid black; text-align: center;">Date _____</td> </tr> <tr> <td style="text-align: center;">Approved _____</td> <td style="text-align: center;">Disapproved _____</td> </tr> <tr> <td style="border-top: 1px solid black; text-align: center;">Signature _____</td> <td style="border-top: 1px solid black; text-align: center;">Date _____</td> </tr> <tr> <td style="text-align: center;">Approved _____</td> <td style="text-align: center;">Disapproved _____</td> </tr> <tr> <td style="border-top: 1px solid black; text-align: center;">Signature _____</td> <td style="border-top: 1px solid black; text-align: center;">Date _____</td> </tr> <tr> <td style="text-align: center;">Approved _____</td> <td style="text-align: center;">Disapproved _____</td> </tr> <tr> <td style="border-top: 1px solid black; text-align: center;">Signature _____</td> <td style="border-top: 1px solid black; text-align: center;">Date _____</td> </tr> </table>	Approved _____	Disapproved _____	Signature _____	Date _____	Approved _____	Disapproved _____	Signature _____	Date _____	Approved _____	Disapproved _____	Signature _____	Date _____	Approved _____	Disapproved _____	Signature _____	Date _____	Approved _____	Disapproved _____	Signature _____	Date _____
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## COURSE REVISION FORM

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

College Technical Sciences Program Area Electronics Date 1/30/07

Submitter [Signature] Dean [Signature] Date 2-16-07  
Signature Signature (Indicates "college" level approval)

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

*Same as program proposal explanation*

Please provide the following information:

**College:** College of Technical Sciences  
**Program Area:** EET  
**Date:** 1/30/07  
**Course Prefix & No.:** EET 2xx  
**Course Title:** Embedded Controller I  
**Credits:** 3  
**Required by:** EET AAS, CIS AAS  
**Selective in:** na  
**Elective in:** na  
**General Education:** no  
**Lecture:** 3  
**Lecture/Lab:**  
**Gradable Lab:**  
**Contact hours lecture:** 3  
**Contact hours lab:**

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

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

This course is an introduction to the microcontroller using the BASIC STAMP and various PIC and other controller products to develop a small digital system. The course includes programming, interfacing, power, and packaging of a stand-alone digital device.

Pre-requisite: CIS 115 ~~Fee Statement~~

**Course Outcome Objectives:**

Upon completion of this course, students will demonstrate familiarity with:

- MicroController & microprocessor architecture
- MicroController Interfacing
- Real-time programming examples
- Polling and interrupt driven sensor applications

Students will demonstrate the ability to

- Design, code and debug a microcontroller program
- Use an integrated programming environment to develop and debug a microcontroller application
- Program complex sensor/actuator interfaces
- Document software applications
- Design a test protocol to verify software compliance with specifications

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

Students will be required to purchase a development board and kit of parts (including textbook) costing roughly \$80. A lab fee of \$10 for consumables will be assessed.