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.

Updated 09/29/05

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:

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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.)

(proposal # Open Title: (proposal explanation, submitter and college	dean signatures on attac	hed program/degree or cou		15
Received by ACAD Senate Forwarded to Teacher Ed Council	211607	Approved	Disapproved	·
Forwarded to Gen Ed Committee		Signature Approved	Disapproved	Date
D. C. C. Lie A. C. A. D. C. C. C.	3/14/01	Signature		Date
Returned to ACAD Senate Forwarded to Curriculum Committee	2 19/11	Approved	Disapproved	
Returned to ACAD Senate for Vote	3/12/07	Signature / Approved	Disapproved	Date
Sent to Provost's office for Full Faculty vote Voted on at Full Faculty meeting	3/20/07	Signature	Disapproved 3-2	Date 7-07
Forwarded to Provost for Approval/Disapprova	1	Approved	Disapproved	Date 7
Forwarded to Chancellor for Approval/Disappro	oval 4907	Signature Approved	Disapproved	Date UP 67
Copies sent to originating college and registrar's office	4/17/01	Signature	e convenient (Sherry	Date

_		P	ROGRAM/DE	GREE REV	ISION F	ORM		
	-	NEW DROPPED_				X FOR INFORMATION C	NLY	
	College	Technical Sciences	Pr	ogram Area		Computer Information Sys	stems Date	1/31/07
	Su	bmitter Signature	0	Chair/Dean	Sign	nature (indicates "college" level approval)	1	2.16
	Please p	provide a brief explanation & ra	tionale for the p	proposed re	evision(s	s).		
	To align	the CIS program with the EET pro	ogram and imple	ement a con	nmon cor	e. This change also corrects a de	eficiency in the	total
	Ū	of technical credits in the degree.				· ·	•	
	-	provide in the space below a "b iate Course Revision Forms. P		-		gram with the changes in the pr g the appropriate cells.	ogram noted.	Attach
	Pro	oposal Title: Changes to	o Compute	r Inform	ation	Systems AAS program	n	
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Course Prefix ENGL SPCH MATH OR MATH ACCT CIS CIS CIS CIS	Course # 111 142 110 112 261 111 112 115 155 171	Program Listed in 06-07 (Course Title Written Communications I Interpersonal Communications Math for Liberal Arts College Algebra Technology (Cat IX) Principles of Accounting I Integrated Business Applications Web Site Development Visual Basic Programming Java Programming Desktop/Sm Business Databases	Credits	Course Prefix ENGL SPCH MATH CIS CIS CIS CIS ISET —CPET	Prop Course # 111 142 112 112 115 155 230 260	Course Title Written Communications I Interpersonal Communications College Algebra ISET Core Integrated Business Applications Visual Basic Programming Java Programming Computer Hardware Support Networking I	Gen. Ed. Credits	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
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ACCT CIS CIS 261 112 Principles of Accounting I Web Site Development Advisor Approved Electives Desktop/Sm Business Databases 171 270 Systems Analysis & Design 3 CIS 3 22 Spreadsheet CIS 285 Advisor Approved Electives

TOTAL

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Additional instructional resources needed (including library materials, special equipment, and facilities).

60

Please note: approval does not indicate support for new faculty or additional resources.

TOTAL

	-	PR	OGRAM	DEGREE	REVISION	ON FORM		
		NEW X DROPPED	_ M	AJOR RI	EVISION	FOR INFORMATION ONLY	′	
	College	Technical Sciences	Pr	ogram Are	a	Electronics Engineering Technology	<u>y</u> Date	1/31/07
	Su	bmitter Signature		Chair/Dea	n Signa	ature (indicates "college" level approval)	_ Date	2.16.6
	Please r	provide a brief explanation & ration	nale for	the propo	sed revisi	ion(s).		
		•				utilizing a common core of courses	3.	
	Attach a	ppropriate Course Revision Form	ns. Pleas	se indicate	changes	program with the changes in the by shading the appropriate cells ering Technology AAS I	S.	
ur	rent Pr	ogram Listed in 06-07 Cat	alog		Prop	osed Program for 07-08 C	atalog	
se īx	Course #	Course Title	Credits	Course Prefix	Course #	Course Title	Gen. Ed. Credits	Degree Credits
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_		SPCH 141 Fund of Speech		MATH	112	College Algebra	3	
Ĥ		College Algebra	3		 -			
	100	Intro to Technology	3	<u> </u>				
	110	Introduction to Computers	3	-		ISET Core		
		Visual Basic Programming	3	CIS	111	Integrated Business Applications		3
r_		Networking I	3	CIS	115	Visual Basic Programming		3
Γ		Introduction to CAD	3	CIS	155	Java Programming		3
		Intro to Electricity/Electronics	5	ISET	230	Computer Hardware Support	 	3
		Electronic Fundamentals I Electronic Fundamentals II	5	CPET	260	Networking I		3
		Communications Fundamentals	4 4	EET	2xx	Embedded Controller I	 	3
		Electronics Equipment Design & Fabrication	4		+	Required Courses	 	
-		Digital Fundamentals	5	EET	101	Intro to Electricity/Electronics		5
н		Trigonometry	2	EET	103	Electronic Fundamentals I		5
H		Intro to Calculus	3	EET	204	Electronic Fundamentals II		4
3	231	Fund of Physics I	3	EET	207	Digital Fundamentals		5
S		Fund of Physics I Lab	1	ENGL	112	Written Comm II		3
S		Fund of Phsylcs II	3	MATH	125	Trigonometry		2
~ I	235	Fund of Physics II Lab	1	MATH	133	Intro to Calculus		3
5		CAT IV or V or VI ABET Required	3	PHYS	231	Fund of Physics I		3
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TOTAL

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Course Prefix ENGL SPCH MATH IT

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TOTAL

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

COURSE REVISION FORM

NEW_X_ DROPPED	MAJOR REVISION FOR INFORMATION ONLY
College Technical Sciences	Program Area Electronics Date 1/30/07
Submitter	Dean Signature (Indicates III III and Java Java Java Java Java Java Java Jav
Signature	Signature (Indicates "college" level approval)
	ation & rationale for the proposed revision(s):
Somi as	. program proposal explanation
Please provide the following i	. 1 4 3
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.