PROCEDURAL SEQUENCE FOR ACADEMIC SENATE APPROVAL OF PROPOSALS

- 1. Submit all proposals to the Office of Academic Affairs.
- 2. The Senate President will log items and forward them to the appropriate Senate subcommittees.
- 3. The Senate subcommittee will send the proposal to the Senate.
- 4. Senate proposals will be considered by the Full Faculty.

SUBCOMMITTEE:

5. If approved, the proposal will then be forwarded to the Provost/Senior Vice Chancellor.

Proposals that require action to approve/disapprove/table or remand will be sent back to the Senate according to the monthly meeting schedule.

PROPOSAL #: <u>99</u>

TITLE: <u>NEW DEGREE COMPUTER ENGINEERING TECHNOLOGY A.A.S. & B.S.</u>

PROPOSAL:
NEW DEGREE COMPUTER ENGINEERING TECHNOLOGY A.A.S. COMPUTER ENGINEERING TECHNOLOGY B.S.
Action Signatures: 3/24/00
Revised: 11/15/99 Approve X Disapprove Date 7/28/00 With the number on the mino Mund on 7/24/00
roge a. Barbon, approved 7/28/00 chup operating obbien

					ABET			Tech.	
				MSUN Requir.		Elective/ Selective	ABET Soc Sci - 24	Courses (48 sc)	Upper Division
	Freshman Year - Fall							_	
IET	100 Intro to Industrial & Engineering Tech	3					-	. 3	
EET	101 Intro to Electricity/Electronics*	5						5	
ENGL	111 Written Communication I	3		3	_		3		
MATH	112 College Algebra	3		_	3				_
CIS	111 Integrated Business Applications	3	17	3					4
	Freshman Year - Spring					•	•		
DRFT	156 Dropped to Soc/Sci Elective	3				3	3	E	
EET	103 Electronic Fund. I	5						5 3	
CIS	115 Intro to Programming	3		•			3	3	
ENGL	112 Written Communication II	3		3	2		3		
MATH	125 Trigonometry	2	16		2				-
	Sophomore Year - Fall	,						_	
CIS	155 Programming I	3′						3	
EET	207 Digital Fundamentals	5						5	
CPET	260 Intro to Networks (Netprep1)	3						3	
PHYS	231 Fund. of Physics I	4			4		_		
SPCH	141 Fund. of Speech OR	3		3			3		
SPCH	142 Interpersonal Communication	3	18						
	Sophomore Year - Spring		10						
EET	204 Electronic Fund. II	4						4	
CPET	201 Computer Hardware I	3						3	
CPET	301 Discrete Mathematics	3			3				3
Math	133 Intro to Calc	3			3				
Wildeli	Gen Ed (Area B)	3				3	3		
	33 23 (1 27)		16						
	Junior Year - Fall							•	•
EET	305 Digital Systems	3						3	3
CIS	360 Networking I	3			_			3	3
MATH	220 Calculus & Analytic Geometry I	5			5				
			11						
	Junior Year - Fall	_						3	
CIS	255 Programming II	3				2		3	3
EET	308 Dropped to Elective (UD)	3				3			3
CIS	325 Dropped to Elective (UD)	3				3			3
	Math/Sci Elective	4			4	3	3		
	Gen Ed Area A/B	3	16			3	3		
	Senior Year - Fall								-
CIS	355 Dropped to Elective (UD)	3				3		_	3
EET	450 Adv. Digital Systems	3				_		3	3
CPET	410 Dropped to Elective	3				3		_	_
CIS	300 Operating Systems	3						3	3
	Selective (UD)	3	15			. 3			3
	Senior Year - Spring		.5						j.
EET	401 Interfacing - (Senior Project)	3		3					3
EET	430 Adv. Communication Systems (Dig)	3						3	3
	Electives	3				3			
	Gen Ed Area A/B (UD)	3				3	3		3
1.6	Gen Ed Area A/B (UD)	3				3	3		3
Se.			15						
		BS	124		24	37	24	52	39
		AAS	67	7 12	15	6	15	34	3

Courses dropped
New courses for CPET degree

this is the course on a approved PB =/28/00

Program Revision Form

ate:		_ MAJOR I	REVISION _	INFORMATION ONLY	
	ment College of Technical Sciences	Program Ar	ea Compute	r Engineering Technology BS.	
	provide in the space below a "before 8				
				ogram with the changes in	
the pro	gram noted. Attach appropriate Cours	e Revision F	orms.		
	FRESHMAN YEAR			SENIOR YEAR	
	Courses to be taken Fall Semester			Courses to be taken Fall Semester	
IET	100 Intro to Industrial & Engineering T	ech 3	CIS	355 Programming III	3
EET	101 Intro to Electricity/Electronics*	5	CIS	300 Operating Systems Intro	3
ENGL	111 Written Communication I	3	CPET	410 Sr. Seminar-Computer Systems	3
MATH	112 College Algebra	3	EET	450 Adv. Digital Systems	3
CIS	111 Integrated Business Applications	. 3	CIS	Selective (300-400 level)	3
			17		
	Courses to be taken Spring Semester				
DRFT	156 Intro. to CAD	3		Courses to be taken Spring Semester	
EET	103 Electronic Fund. I	5 🔪	EET	/401 Interfacing	3
CIS	115 Intro to Programming	3 `	∖ EET /	430 Advanced Communication Systems	3
ENGL	112 Written Communication II	, 3		Gen Ed Area A/B	3
MATH	125 Trigonometry	2	\/	Gen Ed Area A/B (upper Division)	3
	CORLOSSORE VEAR		16		
	SOPHOMORE YEAR Courses to be taken Fall Semester				
CIS	155 Programming Level I	3	/ \		
EÉT	207 Digital Fundamentals	5. 5.			
PCH	141 Fund. of Speech	3 /	/ .		
, 0, ,	OR	/			
SPCH	142 Interpersonal Communication	3/			
CPET	260 Networking I	B	•		
PHYS	231 Fund. of Physics I	/4			
			18		
	Courses to be taken Spring Semester				
EET	204 Electronic Fund. II	/ 4			
CPET	201 Computer Hardware I	3			
CPET	211 Discrete Mathematics	3			•
MATH	133 Intro. to Calculus	3			
	Gen Ed (Area B)	3			
			16	\	
	JUNIOR YEAR			· · /	
CCT	Courses to be taken Fall Semester	2			
EET	305 Digital Systems*	3 3			
CIS	360 Bus. Telecomm. & Metworking 220 Calculus & Analytic Geometry	ა 5	-		
MATH	Math/Sci Selective (upper division				
	wath/sci selective (upper division	, 3	14		
	/		. . .		
	Courses to be taken Spring Semester				
CIS	255 Programming Level II	3			
EET	308 Industrial Electronics	3			

16

CIS

325 Information Resource Management Math/Science Elective Gen Ed Area A/B 15

12

124

Program Revision Form

ate:		X , 2000	DROPPED	MAJOR REVISION	INFORMATION ONLY	
Departr	nent <u>College</u>	of Tec	hnical Sciences	Program Area <u>Computer E</u>	Engineering Technology A.A.S.	
Please	provide in th	e space	below a "before	e & after" picture of the prog	ram with the changes in	
the pro	gram noted.	Attack	appropriate Cou	urse Revision Forms.		

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	10	5
\(\sigma_{\sigma} \)	10	

	Courses to be taken i an eemeete.		
IET	100 Intro to Industrial & Engineering Tech	3	
EET	101 Intro to Electricity/Electronics*	5	
ENGL	111 Written Communication I	3	
MATH	112 College Algebra	3 3	
CIS	111 Integrated Business Applications	3	
			17
	Courses to be taken Spring Semester		
DRFT	156 Intro. to CAD	3	
EET	103 Electronic Fund. I	5	
CIS	115 Intro to Programming	3	
ENGL	112 Written Communication II	3	
MATH	125 Trigonometry	2	16
Wilstin	120 mgonomotry	-	
	SOPHOMORE YEAR		
	Courses to be taken Fall Semester		
CIS	155 Programming Level I	3	
EET	207 Digital Fundamentals	5	
SPCH	141 Fund. of Speech	3	
	OR		
SPCH	142 Interpersonal Communication	3	
CPET	260 Networking I	3	
PHYS	231 Fund. of Physics I	4	18
	Courses to be taken Spring Semester		
EET	204 Electronic Fund. II	4	
CPET	201 Computer Hardware I	3	
CPET	211 Discrete Mathematics	3	
MATH	133 Intro. to Calculus	3	
	Gen Ed (Area B)	3	16
	J 20 (1 11 00 0)	•	. •

FRESHMAN YEAR

Courses to be taken Fall Semester

67 credits

MONTANA STATE UNIVERSITY - NORTHERN

College of Technical Sciences
Student Education Plan/Program Sheet

COMPUTER ENGINEERING TECHNOLOGY BACHELOR OF SCIENCE DEGREE

124 Required Program Semester Credits

A student meeting "Time To Degree" requirements entering as a freshman fall 99 (1999 catalog) takes the following course sequence to complete a 2 year (Associate Degree=first 2 years of Bachelor degree) and 4 year degree. If a student does not test into the required math course - (ie MATH 112) the student does not meet "Time-To-Degree" requirements.

Program Sheet for catalog year: 2000-2001

Major Title: Computer Engineering Technology Bachelor of Science Degree

Major Code: Bachelor B

Student

This program sheet outlines the <u>preferred</u> schedule of courses. Non-program areas courses (ie: Basic skills and/or general education courses) may be taken in semesters other than indicated.

CONSULT YOUR ADVISOR

		FRESHMAN Y	'EAR				
<u></u>	Courses to be taken Fall Semester	Course Pref/No.	Action/Explanation Substitution or Waiver?	Sem. Crs.	Grade	Adv.	
⊏T	100 Intro to Industrial & Engnring Tech	3					
ET	101 Intro to Electricity/Electronics	5					
NGL	111 Written Communication I	3					
HTAN	112 College Algebra	3					_
CIS	111 Integrated Bus.Applications.	3					_
	Courses to be taken Spring Semester						
DRFT	156 Intro. to CAD	3					
CIS	115 Intro to Programming	3					
ET	103 Electronic Fund. I	5					
ENGL	112 Written Communication II	3					
NATH	125 Trigonometry (Area C)	?					

Indicates courses used to meet basic skills requirements

Indicates courses used to meet distribution requirments

Indicates courses used to meet 300-400 level credit requirement

Form: cpet0BS (over) 24-Mar-00

SOPHOMORE YEAR

			Course	Action/Explanation	Sem.		
	Courses to be taken Fall Semester	\$253EE	Pref/No.	Substitution or Waiver?	Crs.	Grade	Adv.
<u> </u> IS	155 Programming Level II	3					
T	207 Digital Fundamentals	5					
۲ ، CH	141 Fund. Of Speech	3					
	OR				<u> </u>	<u> </u>	
SPCH	142 Interpersonal Communication	3 [1	A CONTRACTOR OF THE CONTRACTOR			
CPET	260 Networking I	3					
PHY5	231 Fund. of Physics I (Area C)	4					
						•	
	Courses to be taken Spring Semester						
EET	204 Electronic Fund. II	4					
CPET	201 Computer Hardware I	3					•
CPET	211 Discrete Mathematics	3					
HTAN	133 Intro. to Calculus	3					
	Gen Ed (Area B) (ABET req.)	3					

JUNIOR YEAR

		Course	Action/Explanation	Sem.	Cuada	۸ ما ، د
	Courses to be taken Fall Semester	Pref/No.	Substitution or Waiver?	Crs.	Grade	Adv.
CIS	360 Business Telecomm. & Networking	3				
EET	305 Digital Systems	3				
	Math/Science Elective	3				·
HTAN	220 Calc. & Analytic Geo. I	5				
CIS	Courses to be taken Spring Semester 255 Programming Level II	3		<u> </u>		
1 S	325 Information Resource Mgmt.	3				
ΞT	308 Industrial Electronics	3				
	Math/Sci. Elective	4				
	Gen Ed (Area A-Humanities)	3				

SENIOR YEAR

-	Course to be taken Tall Semester	Course Pref/No.	Action/Explanation Substitution or Waiver?	Sem. Crs.	Grade	Adv.
CIS	Courses to be taken Fall Semester	Prei/No.	Substitution of Walver?	——————————————————————————————————————	Grade	Auv.
	355 Programming III				 	
CIS	300 Operating Systems Intro.	3				
CPET	410 Sr. Seminar-Cpmtr. Systems	3				
EET CIS	450 Adv. Digital Systems	3				
cis	Elective (300-400)	3				
	Courses to be taken Spring Semester					
EET	401 Interfacing	3				
EET	430 Adv. Communication Systems	3				
	Gen Ed (Area A-Humanities)	3				
	Gen Ed (Area B-Soc Sci)	3				

^{***} May not include MATH 104 or MATH 105

Indicates courses used to meet basic skills requirements

Indicates courses used to meet distribution requirments

Indicates courses used to meet 300-400 level credit requirement

24-Mar-00

		General Education Core	B. Speech: C. Mathema	ENGL 111 & ENGL 112 SPCH 141 or SPCH 142 atics: MATH 110, 112, or higheng: CIS 110 or higher level CIS	
		above. Students in Baccalaur four distribution areas. Cou	reate degree progra I <mark>rses required in tl</mark>	include courses used to meet Ge ams must complete a minimum of the student's major and minor pa Ifill Area D). Distribution grou	6 credits in each of the rograms may also be
fix	No.	Course Title	Crs.	Date Completed	Grade
		A. Humanities - 6 credits - (ART, DRMA, ENGL,	FREN, GER, GDSN, HUM, MUS,	NAS, PHIL, SPAN, SPCH)
	<u> </u>	P. Social Sciences - 6 credit	CECON CEOC H		
	Γ	B. Social Sciences - O crean	s (ECON, GEOG, A)	131, FOL, F39C, 30C, 303C)	
	<u> </u>				
			· ·	FM, CIS, ESCI, GSCI, MATH, NS ffered to fill this group must be	•
	L	D. Technology/Applied Arts	- 6 credits (fulfill	ed by program requirements)	
	<u> </u>				
		CAPSTONE COMPONENT: Ad	vance Program Projec	t as identified in each program area.	
		A minimum of 120 credits with a consone programs may include additionable noted in the recommeded sequiple.	umulative GPA of 2.00 ional requirements for ences for individual pro	and a GPA of 2.25 in both the major algraduation or additional grade requirent	
		A minimum of 120 credits with a consumer some programs may include additionable noted in the recommeded sequent the sequence of the sequence o	umulative GPA of 2.00 ional requirements for ences for individual protest be taken at Montana	and a GPA of 2.25 in both the major a graduation or additional grade requiren ograms. State University-Northern	
		A minimum of 120 credits with a consumer some programs may include additionable noted in the recommeded sequent the sequence of the sequence o	umulative GPA of 2.00 ional requirements for ences for individual protest be taken at Montana quired for graduation m	and a GPA of 2.25 in both the major at graduation or additional grade requiren ograms. State University-Northern just be from 300 or 400 level courses.	
		A minimum of 120 credits with a consone programs may include additionable noted in the recommeded sequent least 30 of the total credits must at least 31% of the total credits readvisor's initials present for each in	umulative GPA of 2.00 ional requirements for ences for individual protection to the taken at Montana quired for graduation mequired course and su	and a GPA of 2.25 in both the major at graduation or additional grade requiren ograms. State University-Northern just be from 300 or 400 level courses.	nents. If so, they will
		A minimum of 120 credits with a consome programs may include additionable noted in the recommeded sequence At least 30 of the total credits must at least 31% of the total credits reactionable. Advisor's initials present for each in No more than 9 credits total of indicates the consoner of the consoner	umulative GPA of 2.00 ional requirements for ences for individual protection to the taken at Montana quired for graduation mequired course and su	and a GPA of 2.25 in both the major and graduation or additional grade requirent ograms. State University-Northern roust be from 300 or 400 level courses.	nents. If so, they will
		A minimum of 120 credits with a consone programs may include additionable noted in the recommeded sequent least 30 of the total credits must at least 31% of the total credits readvisor's initials present for each in	umulative GPA of 2.00 ional requirements for ences for individual protection to the taken at Montana quired for graduation mequired course and su	and a GPA of 2.25 in both the major and graduation or additional grade requirent ograms. State University-Northern roust be from 300 or 400 level courses.	nents. If so, they will

Indicates courses used to meet 300-400 level credit requirement

rorm: cpet0BS

Student

MONTANA STATE UNIVERSITY - NORTHERN

College of Technical Sciences
Student Education Plan/Program Sheet

COMPUTER ENGINEERING TECHNOLOGY ASSOCIATE OF APPLIED SCIENCE DEGREE

67 Required Program Semester Credits

A student meeting "Time To Degree" requirements entering as a freshman fall 99 (1999 catalog) takes the following course sequence to complete a 2 year (Associate Degree=first 2 years of Bachelor degree) and 4 year degree. If a student does not test into the required math course - (ie MATH 112) the student does not meet "Time-To-Degree" requirements.

Program Sheet for catalog year: 2000-2001

Major Title: COMPUTER ENGINEERING TECHNOLOGY A. A. S. DEGREE

Major Code: Associate of Applied Science A

This program sheet outlines the <u>preferred</u> schedule of courses. Non-program areas courses (ie: Basic skills and/or general education courses) may be taken in semesters other than indicated.

CONSULT YOUR ADVISOR

	FRESHMAN YEAR								
	Courses to be taken Fall Semester		Course Pref/No.	Action/Explanation Substitution or Waiver?	Sem. Crs.	Grade	Adv.		
IET	100 Intro to Ind/Engineering Tech	3							
EET ENGL MATH	101 Intro to Electricity/Electronics 111 Written Communication I 112 College Algebra	5 3							
S	111 Integrated Bus. Applications	3							
	Courses to be taken Spring Semester								
CIS	115 Intro. To Programming	3							
DRFT	156 Intro. to CAD	3							
EET	103 Electronics Fundamentals I	5							
ENGL	112 Written Communication II	3							
MATH	125 Trigonometry (Area C)	2							

SOPHOMORE YEAR

			Course	Action/Explanation	Sem.		
	Courses to be taken Fall Semester		Pref/No.	Substitution or Waiver?	Crs.	Grade	Adv.
CIS	155 Programming Level II	3					
EET	207 Digital Fundamentals	5					
SPCH	141 Fund. of speech	3					
1	OR	_					
SPCH	142 Interpersonal Communication	3					
CPET	260 Networking I	3					
PHY5	231 Fund. of Physics I (Area C)	4					
	Courses to be taken Spring Semester						
EET	204 Electronic Fund. II	4					
CPET	201 Computer Hardware I	3					
CPET	211 Discrete Mathematics	3					
MATH	133 Intro. to Calculus	3					
	Gen Ed Dist (Area B - ABET req.)			and used to most basic skills ran			

Indicates courses used to meet basic skills requirements

Indicates courses used to meet distribution requirments

listed above. Students in A.A.S. four distribution areas for a total major program may also be count. A. Humanities - 3 credits (ART, B. Social Sciences - 3 credits)	A. Writing: ENGL 111 B. Speech: SPCH 141 or SPCH 142 C. Mathematics: MATH 110, 112, or higher level MATH course D. Computing: CIS 110 or higher level CIS course leted may not include courses used to meet General Education Core degree programs must complete a minimum of 3 credits in at least two of al of 6 distribution credits. Courses required in the student's Inted to meet distribution requirements (fulfill Area D). DRMA, ENGL, FREN, GER, GDSN, HUM, MUS, NAS, PHIL, SPAN, SPCH) ECON, GEOG, HIST, POL, PSYC, SOC, SOSC) dits (BIOL, CHEM, CIS, ESCI, GSCI, MATH, NSCI, PHYS, TSCI)				
listed above. Students in A.A.S. four distribution areas for a total major program may also be count. A. Humanities - 3 credits (ART, B. Social Sciences - 3 credits)	C. Mathematics: MATH 110, 112, or higher level MATH course D. Computing: CIS 110 or higher level CIS course leted may not include courses used to meet General Education Core degree programs must complete a minimum of 3 credits in at least two of al of 6 distribution credits. Courses required in the student's Intention to meet distribution requirements (fulfill Area D). DRMA, ENGL, FREN, GER, GDSN, HUM, MUS, NAS, PHIL, SPAN, SPCH) ECON, GEOG, HIST, POL, PSYC, SOC, SOSC)				
listed above. Students in A.A.S. four distribution areas for a total major program may also be count. A. Humanities - 3 credits (ART, B. Social Sciences - 3 credits)	D. Computing: CIS 110 or higher level CIS course leted may not include courses used to meet General Education Core degree programs must complete a minimum of 3 credits in at least two of all of 6 distribution credits. Courses required in the student's inted to meet distribution requirements (fulfill Area D). DRMA, ENGL, FREN, GER, GDSN, HUM, MUS, NAS, PHIL, SPAN, SPCH) ECON, GEOG, HIST, POL, PSYC, SOC, SOSC)				
listed above. Students in A.A.S. four distribution areas for a total major program may also be count. A. Humanities - 3 credits (ART, B. Social Sciences - 3 credits)	teted may not include courses used to meet General Education Core degree programs must complete a minimum of 3 credits in at least two of all of 6 distribution credits. Courses required in the student's inted to meet distribution requirements (fulfill Area D). DRMA, ENGL, FREN, GER, GDSN, HUM, MUS, NAS, PHIL, SPAN, SPCH) ECON, GEOG, HIST, POL, PSYC, SOC, SOSC)				
listed above. Students in A.A.S. four distribution areas for a total major program may also be count. A. Humanities - 3 credits (ART, B. Social Sciences - 3 credits)	degree programs must complete a minimum of 3 credits in at least two of all of 6 distribution credits. Courses required in the student's nted to meet distribution requirements (fulfill Area D). DRMA, ENGL, FREN, GER, GDSN, HUM, MUS, NAS, PHIL, SPAN, SPCH) ECON,GEOG,HIST,POL,PSYC,SOC,SOSC)				
four distribution areas for a toto major program may also be cou A. Humanities - 3 credits (ART, B. Social Sciences - 3 credits (B	nl of 6 distribution credits. Courses required in the student's inted to meet distribution requirements (fulfill Area D). DRMA, ENGL, FREN, GER, GDSN, HUM, MUS, NAS, PHIL, SPAN, SPCH) ECON,GEOG,HIST,POL,PSYC,SOC,SOSC)				
major program may also be cou A. Humanities - 3 credits (ART, B. Social Sciences - 3 credits (B	nted to meet distribution requirements (fulfill Area D). DRMA, ENGL, FREN, GER, GDSN, HUM, MUS, NAS, PHIL, SPAN, SPCH) ECON,GEOG,HIST,POL,PSYC,SOC,SOSC)				
A. Humanities - 3 credits (ART, B. Social Sciences - 3 credits (B	DRMA, ENGL, FREN, GER, GDSN, HUM, MUS, NAS, PHIL, SPAN, SPCH) ECON,GEOG,HIST,POL,PSYC,SOC,SOSC)				
B. Social Sciences - 3 credits (B	ECON,GEOG,HIST,POL,PSYC,SOC,SOSC)				
·	· · · · · · · · · · · · · · · · · · ·				
	redits (fulfilled by program requirements) taken at MSU-Northern for an A.A.S. degree.				
	requirements for graduation. If so, they will be noted in the recommended				
An Associate of Applied Science degree has a minimum of 60 credits and a maximum of 72 credits.					
·	or's initials present for each required course and substitution				
No more than 6 credits total of indepen	dent study (designated X99) may be applied toward an A.A.S. degree				
	Indicates courses used to meet basic skills requirements				
	Indicates courses used to meet distribution requirments				
	•				

Form: cpet0AS

NEW_	X	DROPPED	MAJOR REVISION	INFORMATION ONLY	
				IN CHINATION CHET	

Department:

College of Technical Sciences

Program Area:

Computer Engineering Technology

Date:

February 2000

Course pref and no.: CPET 201

Course title:

Computer Hardware I

Credits:

3

Required by:

Computer Engineering Technology B.S., No Minor Required

Computer Engineering Technology A.A.S.

Selective in:

Elective in:

General Educ:

Lecture:

Lecture/lab:

X

Contract hrs. lecture: 2

Contact hrs. lab:

2

Current/proposed Catalog Description (Include all prerequisites:)

An introduction to current computer hardware leading to the students ability to successfully pass the COMP/TIA A+ Certification exam.

Course Outcome Objectives:

- Understand the basic primary components of a modern computer system, including
 - Mass Storage devices and interfaces
 - Central Processing Unit
 - Memory subsystems (RAM and ROM)
 - Chipset
 - System bus organization and specifications
 - Video display systems
 - System expansion cards
 - Input / Output peripheral devices
 - Printing systems
 - Telecommunications systems

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

Use of electronics lab facilities and equipment will be required.

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	Course Nevision Form						
NEW_X_ DROPPI	ED MAJOR REVISION INFORMATION ONLY						
Department: Program Area: Date:	College of Technical Sciences Computer Engineering Technology February 2000						
Course pref and no.: Course title:	CPET 260 Networking I						
Credits:	3						

Computer Engineering Technology A.A.S.

Computer Engineering Technology B.S., No Minor Required

Selective in:

Required by:

General Educ:

Lecture:

X

Lecture/lab:

Contract hrs. lecture: 3

Contact hrs. lab:

Proposed Catalog Description (Include all prerequisites:)

Coverage includes the basic concepts of networking including LAN & WAN hardware and software, OSI network model and the protocol services approach to networking.

Course Outcome Objectives:

Understand the OSI model

Define and contrast

Local Area Networks

Wide Area Networks

Network hardware including

Routers

Gateways

Network interface boards

Hubs

Understand hardware standards

Network wiring standards (CAT 5/Cat 5e)

Network topologies

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

NEW_X_ DROPPE	ED MAJOR REVISION INFORMATION ONLY
Department: Program Area: Date:	College of Technical Sciences Computer Engineering Technology February 2000
Course pref and no.: Course title:	CPET 211 Discrete Mathematics
Credits:	3
Required by:	Computer Engineering Technology B.S., No Minor Required Computer Engineering Technology A.A.S.
Selective in: Elective in: General Educ:	
Lecture:	\mathbf{X}
Lecture/lab: Contract hrs. lecture: Contact hrs. lab:	3
	cription (Include all prerequisites:) y course in mathematics and logical processes used in computer programming and design.
Boolean Algebra Diagramming to Number base con Binary number in binary (comp	the ability to use: ra including identities and algebraic simplification echniques to illustrate and quantify onversions systems including 1's complement, 2's complement, and representation of floating point number
	ources needed (including library materials, special equipment, and facilities). Please note: icate support for new faculty or additional resources.

C:\data\oocurric\cis\cpet211courseform00

	Oddios Hovision Form	
NEW_X_ DROPPE	ED MAJOR REVISION INFORMATION ONLY	
Department: Program Area: Date:	College of Technical Sciences Computer Engineering Technology February 2000	
Course pref and no.: Course title:	CPET 410 Senior Seminar – Computer Systems	
Credits:	3	
Required by:	Computer Engineering Technology B.S., No Minor Required Computer Engineering Technology A.A.S.	
Selective in: Elective in: General Educ:		
Lecture: Lecture/lab:	\mathbf{x}	
Contract hrs. lecture: Contact hrs. lab:	3	
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Current/proposed Catalog Description (Include all prerequisites:)

A seminar based course on the current developments and directions in the computer industry. The course will consist of intense research into hardware developments that will affect the 'state of the art' definition of computer systems.

Course Outcome Objectives:

Current developments in:

Central Processing Units

System expansion bus technology

Memory organization and interfacing

Video display adapters, systems and display units.

Basic 'chipset' designs. Peripheral interfacing Network standards

Hardware/Software interfaces and operating systems.

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

