UNIVERSITY FACULTY SENATE

SUMMARY OF AGENDA

March 3, 1986

- I. ADOPTION OF THE AGENDA
- II. APPROVAL OF THE MINUTES: February 3, 1986
- III. REMARKS BY PRESIDENT TRABANT and/or PROVOST CAMPBELL
- IV. ANNOUNCEMENTS
 - 1. Senate President Soles

ANNOUNCEMENTS FOR CHALLENGE

- 1. Revision of existing majors in the College of Human Resources: Textiles and Clothing: Technology; Coordinated Undergraduate Program Dietetics (CUD); Dietetics; and Food Science (B.S.).
- 2. Revision of existing major requirements in the Civil Engineering curricula in the College of Engineering, and in the Five Year Program with the College of Arts and Science.

V. OLD BUSINESS

A. Resolution to revise the section on harassment in the Student Code of Conduct.

VI. NEW BUSINESS

A. Introduction of new business.





UNIVERSITY FACULTY SENATE 301 HULLIHEN HALL NEWARK, DELAWARE 19716 (302) 451-2921

February 14, 1986

TO:

All Faculty Members

FROM:

Raymond A. Callahan, Vice President

University Faculty Senate

SUBJECT:

Regular Faculty Senate Meeting, March 3, 1986

In accordance with Section IV, paragraph 6 of the Constitution, the regular meeting of the University Faculty Senate will be held on Monday, March 3, 1986 at 4:00 p.m. in room 110 Memorial Hall.

AGENDA

- I. Adoption of the Agenda.
- II. Approval of the minutes of the Senate meeting of February 3, 1986.
- III. Remarks by President Trabant and/or Provost Campbell.
- IV. Announcements
 - 1. Senate President Soles

Announcements for Challenge

- Revision of existing majors in the College of Human Resources: Textiles and Clothing: Technology; Coordinated Undergraduate Program Dietetics (CUD); Dietetics; and Food Science (B.S.). (Attachment 1)
- 2. Revision of existing major requirements in the Civil Engineering curricula in the College of Engineering, and in the Five Year Program with the College of Arts and Science. (Attachment 2)

V. Old Business

A. Resolution from the Committee on Student Life (John Beer, Chair) to revise the section on harassment in the Student Code of Conduct:

[Note: This issue was tabled at the February 3, 1986 Senate meeting.]

WHEREAS: the present Student Code of Conduct does not specifically mention harassment based on religion (except anti-Semitism), political beliefs, disability, or homosexuality, and

WHEREAS: in the past two years several individuals and informal organizations have harassed lesbian and homosexual students, therefore be it

RESOLVED: that the Code of Conduct section on disruptive conduct (4B) be changed to read, "Harassment: deliberately acting with intent to harass any member or guest of the University community. This includes but is not limited to acts of racism, sexism or harassment based on religion, political beliefs, sexual orientation or disability."

[The present policy on disruptive conduct in the Student Code of Conduct reads as follows:]

4. Disruptive Conduct

Acting to impair, interfere with or obstruct the orderly conduct, processes and functions of the University.

- A. Violence or threat of violence against self or any member of guest of the University community.
- B. Harassment: Deliberately acting with intent to harass any member or guest of the University community. This includes, but is not limited to, acts of racism, sexism and anti-Semitism.
- C. Interference with freedom of movement of any member or guest.
- D. Interfering with the rights of others to enter, use, or leave any University facility, service, or activity.
- E. Interference with the freedom of speech of any member or guest of the University.
- F. Trespassing or unauthorized entry.

VI. New Business

A. Such items as may come before the Senate. (No motion introduced at this time may be acted upon until the next meeting of the Senate.)

rg Attachment: Committee Activities Report

- Revision of existing majors in the College of Human Resources: Textiles and Clothing: Technology; Coordinated Undergraduate Program Dietetics (CUD); Dietetics; and Food Science (B.S.)
- Revision of existing majors in the Civil Engineering curricula in the College of Engineering, and in the Five Year Program with the College of Arts and Science

COMMITTEE ACTIVITIES REPORT

ACADEMIC CEREMONIES, COMMITTEE ON (C. Roy Rylander)

Preliminary bulletins of information for students, faculty and professionals regarding the May 31 and June 1 convocation and commencement are being prepared for distribution.

BEVERAGE ALCOHOL, UNIVERSITY COMMITTEE TO REGULATE THE USE OF (Steven Hastings)

No items pending before the Committee.

GRADUATE STUDIES, COMMITTEE ON (Jeffrey Raffel)

- 1. Considering Sociology Department proposal for MA/Ph.D. in Criminology.
- 2. Reviewing course approvals.
- 3. Considering the offering of graduate courses by units without graduate programs.
- 4. Reviewing proposal to restructure masters' programs in Occupational Education and Home Economics.
- 5. Considering sustaining fee for all graduate students.

LIBRARY COMMITTEE (George Basalla)

Meeting scheduled for Committee on 2/17/86.

NOMINATING COMMITTEE (Jerry Beasley)

Considering volunteers/nominees for Senate officers/committee vacancies.

PROMOTIONS AND TENURE, COMMITTEE ON (Dewey M. Caron)

Actively reviewing dossiers of candidates from the several colleges.

STUDENT AND FACULTY HONORS, COMMITTEE ON (Ralph Ferretti)

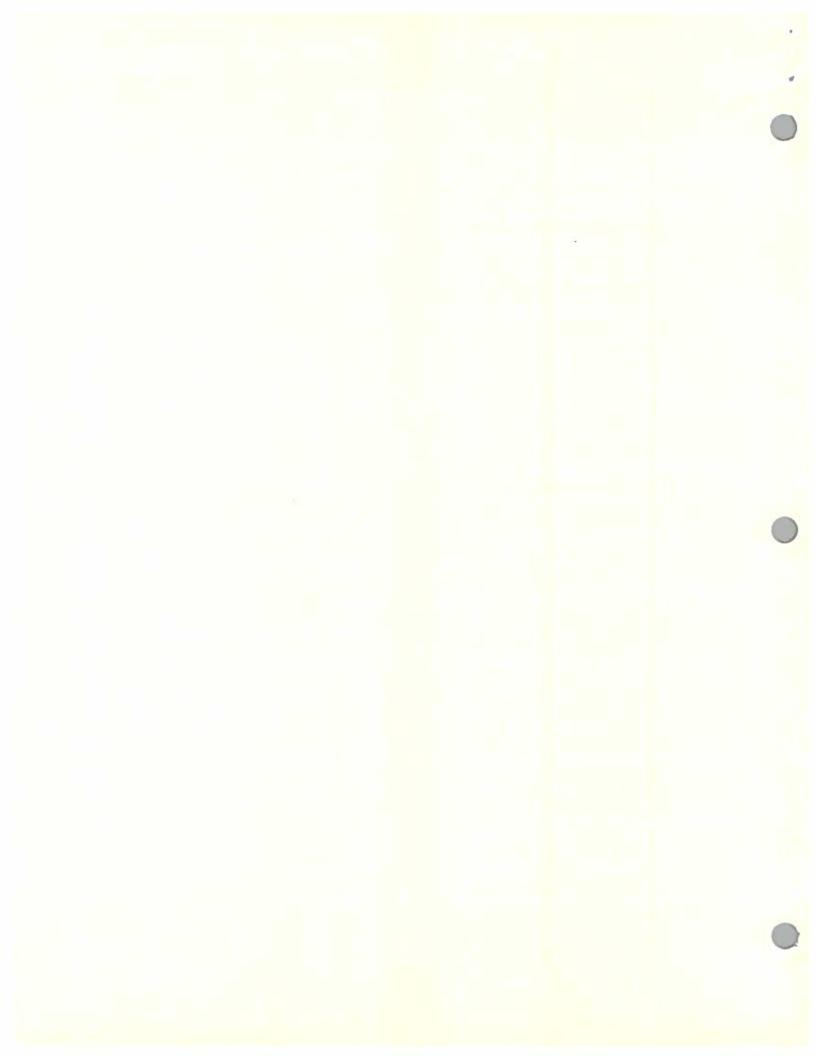
- 1. Discussion of procedures and subcommittee responsibilities for selecting recipients for the Excellence in Teaching awards.
- 2. Selection of subcommittee to oversee Honors Day procedures.

UNDERGRADUATE ADMISSIONS AND STANDING, COMMITTEE ON (William Ritter)

Reviewing undergraduate admission standards.

UNDERGRADUATE STUDIES, COMMITTEE ON (Robert F. Brown)

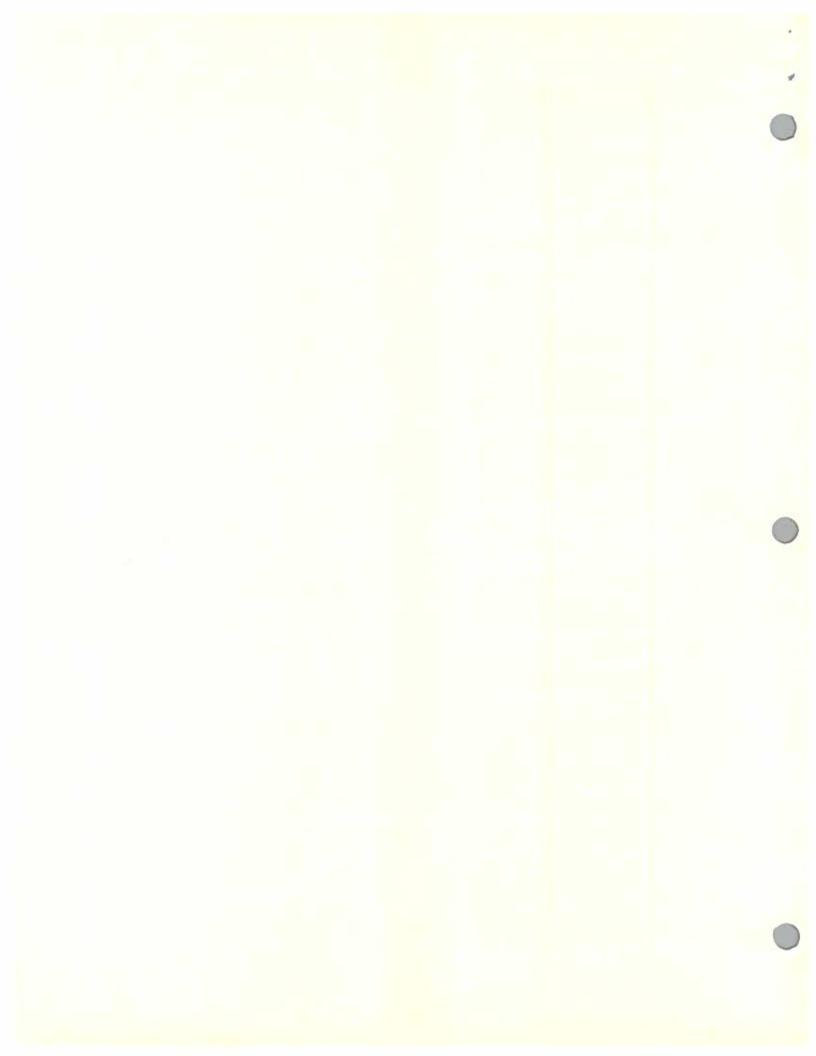
- 1. Reviewing policies regarding cross-listing of courses.
- 2. Discussing possible problems with double-listing of 400 and 600-level courses.
- 3. Discussing a University-wide multi-cultural course requirement.



SUMMARY OF CHANGES IN FOUR MAJORS: COLLEGE OF HUMAN RESOURCES

Revisions:	Old	Requirements	New
Psychology elective PSY 201 Gen. Psychology		3 cr	3
Principles of Learning elective EDS 209 Psych. Foundations of PSY 312 Learning & Motivation FSN 445 Nutrition Education	Education	3 3	3
FSN electives		5	3
HR electives		4	5
BSHR - Coordinate 1			
BSHR - Coordinated Undergraduate	Program in	Dietetics	
Revisions:	old	Requirements	New
Psychology elective PSY 201 Gen. Psychology		3 cr	New
Principles of Learning clocking	:		3
EDS 209 Psych. Foundations of PSY 312 Learning & Motivation	T		3
Principles of Learning clocking	T	3 3	3
EDS 209 Psych. Foundations of PSY 312 Learning & Motivation FSN 445 Nutrition Education	T		
EDS 209 Psych. Foundations of PSY 312 Learning & Motivation FSN 445 Nutrition Education BSHR - Food Science Major	T		
EDS 209 Psych. Foundations of PSY 312 Learning & Motivation FSN 445 Nutrition Education BSHR - Food Science Major Revisions:	Education		3
EDS 209 Psych. Foundations of PSY 312 Learning & Motivation FSN 445 Nutrition Education BSHR - Food Science Major Revisions: Social Science electives	Education	3 ld Requirements	3 New
EDS 209 Psych. Foundations of PSY 312 Learning & Motivation FSN 445 Nutrition Education BSHR - Food Science Major Revisions: Social Science electives AEC 608	Education	3 ld Requirements 6 cr	3 New
BSHR - Food Science Major Revisions: Social Science electives AEC 608 FSN 449 FSN 449	Education	3 ld Requirements	3
BSHR - Food Science Major Revisions: Social Science electives AEC 608 FSN 429 FSN 449 FSN 459	Education	ld Requirements 6 cr 3	New 3 cr
BSHR - Food Science Major Revisions: Social Science electives AEC 608 FSN 449 FSN 449	Education	ld Requirements 6 cr 3	New 3 cr

Revisions:	Old Requirements	New
TDC electives	9 cr	6 cr
TDC 495 Topics in Textiles		3



DEGREE: BACHELOR OF SCIENCE IN HUMAN RESOURCES MAJOR: TEXTILES AND CLOTHING: TECHNOLOGY

AND THE PROPERTY PROPERTY		Mathematics courses	63
UNIVERSITY REQUIREMENTS E 110 Critical Reading and Writing	31	PS 101 Introduction to Physics	43
MAJOR REQUIREMENTS		PS 201 General Physics	4
External to the College Humanities English Writing course COM 255 Fundamentals of Communication Humanities course selected from Art, Art History, Communication (except 320, 321), English, Language, Literature, Music, Philosophy, Theatre.	3° 3° 3°	Social Sciences EC 151 Introduction to Microeconomics PSY 201 General Psychology SOC 201 Introduction to Sociology History course Social Science course selected from Cultural Anthropology, Black American Studies, Business Administration 339 or 321, Criminal Justice, Economics, Agricultural	31 33 31 33
Sciences C 103 General Chemistry C 104 General Chemistry C 220 Quantitative Analysis I C 221 Quantitative Analysis	41 41 93	Economics 120, Economic and Social Geography, History, Plant Science 200, Political Science, Psychology, Sociology, Individual and Family Studies 401.	
Laboratory C 321 Organic Chemistry C 325 Organic Chemistry Laboratory C 322 Organic Chemistry C 326 Organic Chemistry C 326 Organic Chemistry Laboratory	12 32 12 92 12	Other BU 301 Introduction to Marketing CIS 105 General Computer Science	31 3

^{*} Superior figures indicate year or years in which the course is normally taken, i.e., 'freshman year, 'sophomore year etc.

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COLLEGE OF HUMAN RESOURCES

SUGGESTED CURRICULUM	CREDITS*	
Within the College FSN course IFS course IFS course Human Resources electives Within the Department TDC 113 Textiles and Clothing in Contemporary Living TDC 214 Costume History Before 1700 or TDC 224 Clothing Design and Production Since 1700 TDC 200 Consumer Economics TDC 315 Textile Analysis TDC 425 Textile Performance	TDC 455 Textiles, Clothing and the Economy TDC 465 Seminar 61.3 TDC 466 Independent Study TDC courses TDC 405 Tepres in Textiles ELECTIVES 31 Electives May include Military Science, Music, or 32 Physical Education. (Only two credits of activity-type Physical Education and four credits of Music organization credits may be counted toward the degree and four credits 100- and 200-level courses in Military Science/Air Force.)	31 13 31 31 31 31 31
TO TOME I CHOIMBILE	5° CREDITS TO TOTAL A MINIMUM OF 12	9

DEGREE: BACHELOR OF SCIENCE IN HUMAN RESOURCES MAJOR: DIETETICS

SUGGESTED CURRICULUM CREDI UNIVERSITY REQUIREMENTS	Psychology course Psychology 32 Psychology course
E 110 Critical Reading and Writing MAJOR REQUIREMENTS	Sociology course BU 309 Management and Organizational Behavior 35
External to the College Humanities Minimum of nine credits selected from Art. Art History, Communication (except 320, 321), English, Languages, Literature, Music, Philosophy, Theatre.	200: Political Science, Psychology,
Sciences C 101 General Chemistry	Sociology, Individual and Family Studies 401.
or C 103 General Chemistry	Other 4 ACC 207 Accounting 1 33 41 Statistics course 32
C 102 General Chemistry or C 104 General Chemistry	M 114 Elementary Mathematics and Statistics 3
C 213 Elementary Organic Chemistry	or 42 Equivalent competency
C 214 Elementary Biochemistry C 216 Elementary Biochemistry	3 ² Principles of Learning course to be selected from:
Laboratory B 207 Introductory Biology I	12 EDS 209 Psychological Foundations
3 371 Introduction to Microbiology 3 406 Human Physiology	4 of Education 4 IFS 380 Materials and Approaches 3 pcy 819 Journal and Motivation F50.445 Mutrition Education 32
3 416 Human Anatomy and Physiology Laboratory	I. MIZUIS THE COREGE
Social Sciences EC 151 Introduction to	IFS course 3 1 3 2 3 4 4 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Microeconomics	3' HR courses

^{*} Superior figures indicate year or years in which the course is normally taken, i.e., 'freshinan year, 'sophomore year, etc.

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SUGGESTED CURRICULUM

CREDITS*

31

	Within the Department
32	A minimum grade of C must be achieved for credits to count toward the fulfillment of 35 credits in FSN; a minimum grade of C in 200-level courses must be achieved to proceed to upper-level courses; only 300-level courses and a maximum of four credits of Special Problems/Independent Study (FSN x66) may count toward the fulfillment of this requirement. Note: FSN 150, FSN 167 and FSN 303 are not applicable to degree requirements.
	FSN 200 Nutrition Concepts FSN 201 Food Management for the

FSN 200 Nutrition Concepts
FSN 201 Food Management for the
Consumer
FSN 211 Food Management
Laboratory
FSN 305 Food Science

	borati	
FSN	305	Food Science
FSN	509	Principles of Nutrition
FSN	321	Quantity Food Production
an	d Ser	rice

FSN 325 Laboratory in Quantity Food Production and Service	15
FSN 322 Food Service Systems	_
Management	43 23
FSN 411 Advanced Nutrition	23
FSN 421 Nutrition Research	
Methods	23
FSN 440 Nutrition and Disease	23 44
FSN courses	3 سخر
ELECTIVES	1934
Electives	حضمه
May include Military Science, Music, o	r
Physical Education (Only two credits	
activity-type Physical Education and fo	UL
credits of Music organization credits n	
be counted toward the degree and for	lΓ
credits of 100- and 200-level courses i	n
Military Science/Air Force.)	

CREDITS TO TOTAL A MINIMUM OF

129

DEGREE: BACHELOR OF SCIENCE IN H MAJOR: COORDINATED UNDERGRADUA	ATE DIETETIOS
UNIVERSITY REQUIREMENTS E 110 Critical Reading & Writing	PSY 201 General Psychology 3' Psychology course 9 Sociology course
MAJOR REQUIREMENTS	BU 309 Management and Organizational Behavior 3
External to the College Humanities Minimum of nine credits selected from Art, Art History, Communication (except 320, 321), English, Languages, Literature, Music, Philosophy, Theatre. Sciences C 101 General Chemistry	Social Science course selected from Cultural Anthropology, Black American Studies, Criminal Justice, Economics, Agricultural Economics 120, Economic and Social Geography, History, Plant Science 2007, Political Science, Psychology, Sociology, Individual and Family Studies 401.
or C 103 General Chemistry C 102 General Chemistry or C 104 General Chemistry C 213 Elementary Organic Chemistry	Other 4 ACC 207 Accounting I 32 4 Statistics course 31 M 114 Elementary Mathematics and 5 or 2 Equivalent competency
C 214 Elementary Biochemistry C 216 Elementary Biochemistry Laboratory B 207 Introductory Biology I B 371 Introduction to Microbiology B 406 Human Physiology B 416 Human Anatomy and Physiology Laboratory Social Sciences	Principles of Learning course to be selected from: 12
EC 151 Introduction to Microeconomics	1 DC course 3.

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	SUGGESTED CURRICULUM CREDIT	S.		
	Within the Department		FSN 309 Principles of Nutrition	35
	Students are eligible to apply for admission to this major after acceptance into the University and upon completion		FSN 321 Quantity Food Production and Service FSN 322 Food Service Systems	33
	of three semesters of the Dietetics		Management	43
			FSN 411 Advanced Nutrition	3
	curriculum.		FSN 440 Nutrition and Disease	44
	A minimum grade of C must be achieved		FSN 460 Community Nutrition	3*
	for credit to count toward fulfillment of		FSN 331 Coordinated Dietetics I	63
53	FSN required credits; a minimum grade		FSN 332 Coordinated Dietetics II	3° 4° 3° 6° 6°
	of C in 200-level courses must be		FSN 450 Coordinated Dietetics III	61
	achieved to proceed to upper-level		FSN 470 Coordinated Dietetics IV	64
	courses; only 300-level courses and a maximum of four credits of Special Problems/Independent Study (FSN x66) may count toward FSN requirements. FSN		ELECTIVES Electives May include Military Science, Music, or	# 5*
	150, FSN 167 and FSN 303 are not applicable to degree requirements.		Physical Education. (Only two credits of activity-type Physical Education and four	
	FSN 200 Nutrition Concepts FSN 201 Food Management for the	31	credits of Music organization credits may be counted toward the degree and four credits of 100- and 200-level courses in	
	Consumer	2'	Million County (the Force)	
	FSN 211 Food Management		Military Science/Air Force.)	
	Laboratory	1,	CREDITS TO TOTAL A MINIMUM OF	131
	FSN 305 Food Science	32	o*	

Superior figures indicate year or years in which the course is normally taken, i.e., freshman year, frombusing year, etc.

DEGREE: BACHELOR OF SCIENCE IN HUMAN RESOURCES MAJOR: FOOD SCIENCE

made a 1 dob doi:1102		
UNIVERSITY REQUIREMENTS E 110 Critical Reading and Writing	Social Sciences 31 EC 151 Introduction to	
MAJOR REQUIREMENTS External to the College Humanities	Microeconomics PSY 201 General Psychology BU Elective Social Science courses selected from Cultural Anthropology, Black	31 31 33 41
Communication course Humanities courses selected from Art, Art History, Communication (except 320, 321), English, Languages, Literature, Music, Philosophy, Theatre.	34 American Studies, Business 64 Administration 309 or 321, Criminal Justice, Economics, Agricultural Economics 120, Economic and Social Geography, History, Plant Science 200, Political Science,	
Sciences C 103 General Chemistry	Psychology, Sociology, Individual and Family Studies 401.	
C 104 General Chemistry C 214 Elementary Biochemistry C 220 Quantitative Analysis I	Other 3° PSY 309 Measurement and Statistics	31
C 221 Quantitative Analysis	AEC-600 -Research-Methodo	-8-
Laboratory PS 201 General Physics	12 M 221 Calculus I	31
PS 202 General Physics B 207 Introductory Biology I B 208 Introductory Biology II	or M 241 Analytic Geometry and Calculus A	4
B 371 Introduction to Microbiology	4 ² M 222 Calculus II	31
C 521 Organic Chemistry C 525 Organic Chemistry Laboratory C 522 Organic Chemistry	3° or 1° M 242 Analytic Geometry and 3° Calculus B	4
C 326 Organic Chemistry Laboratory C 418 Introductory Physical	Within the College	
Chemistry C 419 Introductory Physical Chemistry C 445 Physical Chemistry Laboratory	35 IFS course 35 TDC course	3°
	urse is normally taken, i.e., 'freshman ye <mark>ar, '</mark> sophomore year, i	etc.

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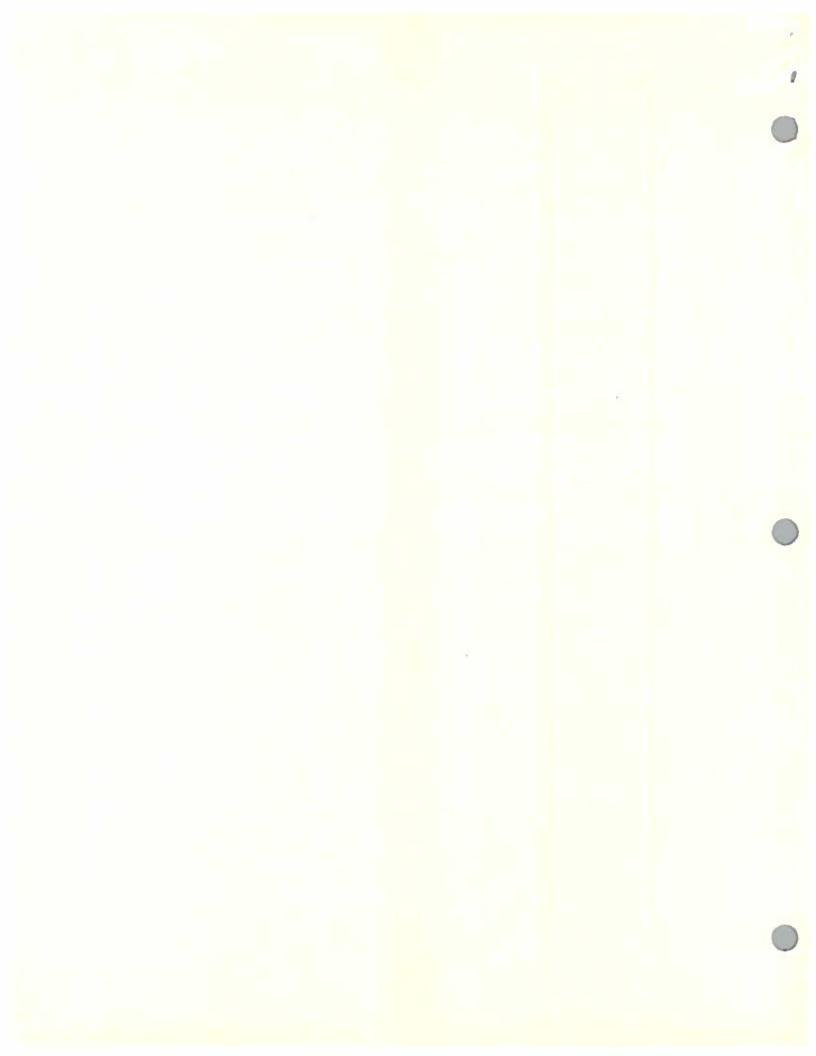
SUGGESTED CURRICULUM

CREDITS*

	Within the Department
39	A minimum grade of C must be achieved for credits to count toward the fulfillment of credits in FSN; a minimum grade of C in 200-level courses must be achieved to proceed to upper-level courses; only 300-level courses and a maximum of four credits of Special Problems/Independent Study (FSN x66) may count toward the fulfillment of this requirement. Note: FSN 150, FSN 167 and FSN 303 are not applicable to degree requirements.
	FSN 265 Seminar: Food Science FSN 365 Seminar: Food Science
	FSN 200 Nutrition Concepts
	FSN 409 Food Processing I
	FSN 410 Food Processing II
	PSN 415 Food Process Engineering
	Technology I

	FSN 416 Food Process Engineering Technology II FSN 428 Food Chemistry FSN 429 Food Analysis FSN 439 Food Microbiology FSN 459 Food Microbiology	4444
	FSN 458 - Fopks in Food Science FSN 449 Fermentation Technology ELECTIVES	4
21 22 33 44	Electives May include Military Science, Music, or Physical Education. (Only two credits of activity-type Physical Education and four credits of Music organization credits may be counted toward the degree and four credits of 100- and 200-level courses in Military Science/Air Force.)	2 <u>-</u> 4
44	CREDITS TO TOTAL A MINIMUM OF	152

- CIVIL ENGINEERING: SUMMARY OF CHANGES IN MAJOR REQUIREMENTS IN CE CURRICULA IN THE COLLEGE OF ENGINEERING, AND IN THE FIVE YEAR PROGRAM WITH THE COLLEGE OF ARTS AND SCIENCE.
- 1. Drop B321 as a requirement external to the college. (Some students would still be advised to take it as an elective.)
- 2. Add CE 381 as a requirement within the department.
- 3. Make CE 461 a requirement (instead of an elective) within the department.
- 4. Shift the pairing "CE 402 or CE 403" from the status of a technical elective to that of a requirement within the department.
- 5. Shift the pairing "CE 431 or CE 432" from the status of a technical elective to that of a requirement within the department.
- 6. Change the requirement for technical electives from six courses to four courses, and emend the wording of the statement about technical electives as indicated on the attached sheets.
- 7. Increase the total credits required for the degree from 127 to 131 for CE, and from 157 to 161 for the five year (LAV) program.



COLLEGE:

ENGINEERING

DEPARTMENT:

CIVIL ENGINEERING

DEGREE:

BACHELOR OF CIVIL ENGINEERING

MAJOR:

CIVIL ENGINEERING (CE)

SUGGESTED CURRICULUM	CREDITS	TYPICAL FRESHMAN COMPLETES	TYPICAL SCPHOMCRE CCMPLETES	TYPICAL LUNIOR DIMPLETES	TYPICAL SENIOR COMPLETES
	UNIVERSITY REQUIRENEN	rs			
• E 110 Critical Reading and Writing (General Education Group III)	3	x(s)			
	COLLEGE REQUIREXENTS				
Mathematics M 241 Analytic Geometry and Calculus A M 242 Analytic Geometry and Calculus B M 243 Analytic Geometry and Calculus C M 302 Ordinary Differential Equations I	4 4 4 3	X(F) X(S)	X(F) X(S)		
Physics PS 207 General Physics PS 208 General Physics	4 4	x(s)	x(s)		
. General Education Program (see catalog description)	18	X(F * ,S)	X(F (X)	x(F)	*****
	MAJOR REQUIREMENTS External to the College				
• E 410 Technical Writing (General Education Group IV)	3			-×(\$)	×(s)
Chemistry C 103 General Chemistry C 104 General Chemistry	4 4	X(F) X(S)			
r CIS 106 General Computer Science for Engine r GEC 107 General Geology I 8 321 Environmental Biology	ers 3		X(F) X(F) — X(S) ——		
• ST 450 Statistics for the Engineering and Sciences	Physical 3		A(3)	x(3)	

COLLEGE:

ENGINEERING

DEPARTMENT:

CIVIL ENGINEERING

DEGREE:

BACHELOR OF CIVIL ENGINEERING

MAJOR:

CIVIL ENGINEERING (CE)

SUGGESTED CURRICULUM	CREDITS Within the College	TYPICAL FRESHMAN COMPLETES	TYPICAL SOPHONORE COMPLETES	TYPICAL JUNIOR COMPLETES	TYPICAL SENIOR COMPLETES
• EG 125 Introduction to Engineering (CE) • EG 132 Engineering Graphics/Analysis • MET 302 Material Science for Engineers • MEC 305 Fluid Mechanics • MEC 306 Fluid Mechanics Laboratory CE 402 Steel Design CE 403 Concrete Design • CE 211 Statics	2 2 4 3 1 Within the Department	X(F) X(F)	X(F)	x(F) x(S) x(S)	X(F)
CE 212 Strength of Materials CE 213 Materials Laboratory I CE 301 Analysis of Structures CE 311 Dynamics CE 331 Introduction to Environmental Engine CE 227 Soil Mechanics and Geotechnics One of: CE 441 Hydrology CE 432 Walle We or CE 442 Hydraulic Engineering		27	x(s) x(s)	X(F) X(F) X(E) X(B)	
CE 482 Systems Design and Operation	3 3			×(s)	*(s) ×(s)
Technical Electives Four additional Execurses: three courses suct exphasize de and three sources sust exphasize an area of Engineering: points must be satisfie current listings for dept. tech CREDITS TO TOTAL A HINIMUM OF	sivil d(see ,	51		x(s)	X(F,F,B, S,S)

(F) = FALL SEMESTER

(S) - SPRING SEMESTER

Note: The technical elective program is under constant review by the faculty. An updated list is available in the department office. Students should check with their advisers before selecting courses and should be aware that a formal mechanism exists to provide additional flexibility in selection of their Technical Elective courses.

COLLEGE: DEPARTMENT: ARTS AND SCIENCE ENGINEERING

DEPENDENT UPON AREA OF CONCENTRATION - CIVIL ENGINEERING

DEGREE:

BACHELOR OF ARTS OR BACHELOR OF SCIENCE - BACHELOR OF CIVIL ENGINEERING

MAJOR: NONE REQUIRED - CIVIL ENGINEERING (LAV)

SUGGESTED CURRICULUM

CREDITS

1ST YEAR 2ND YEAR STUDENT STUDENT COMPLETES COMPLETES

3RD YEAR STUDENT COMPLETES

4TH YEAR STUDENT COMPLETES

STH YEAR STUDENT COMPLETES

Page 2

AS-AREA OF CONCENTRATION REQUIREMENTS

Area of Concentration:

15

Fifteen credits of Arts and Science electives to be used for acquiring some depth of knowledge in a field chosen by the student in consultation with an Arts and Science adviser.

ARTS-SCIENCE COURSES COMPLETED

X(F,S)

X(F,F,#,S) X(F,S,#) X(F,S,S) X(F,F,S,S,S)

The liberal arts component is listed as 51 credit hours. The absolute minimum required to satisfy the requirements listed above is 45; this assumes that the foreign language requirement is satisfied from high school work, the writing course is in one of the Group A, B, or C, and that nine credits of the Area of Concentration are also from one of the Groups A, B, or C. Thus, students without language skills and concentrating in science or mathematics will need more than 51 credit hours to complete all of these requirements.

EG-COLLEGE REQUIREMENTS

•	3	₹	44	c	13	71	C S
-	-	_	_	_		_	

	24.	Analytic	Geometry	and Calculus A	4	X(F)
Ħ				and Calculus B	j	4/6

243 Analytic Geometry and Calculus C 4 X(S)

302 Ordinary Differential Equations 3 X(S)

<u>Physics</u>

PS 207 General Physics PS 208 General Physics

4 X(F)

x(f)

连拉

EG-MAJOR REQUIREMENTS

External to the College

2 133 Semeral Chemistry 2 134 Semeral Chemistry 213 106 General Computer Science for Engineers 221 Environmental Biology		x(F) x(S) x(F)		
SED 107 Seneral Geology I	4	x(s) x(F)	#(F)	

1

COLLEGE:

ARTS AND SCIENCE ENGINEERING

DEPARTMENT:

DEPENDENT UPON AREA OF CONCENTRATION - CIVIL ENGINEERING

DEGREE:

BACHELOR OF ARTS OR BACHELOR OF SCIENCE - BACHELOR OF CIVIL ENGINEERING

MAUCR:

NONE REQUIRED - CIVIL ENGINEERING (LAV)

	SUG	SEST	CURRICULUM C	CREDITS	IST YEAR STUDENT COMPLETES	2ND YEAR STUDENT COMPLETES	3RD YEAR STUDENT COMPLETES	ATH FEAR STUDENT COMPLETES	5TH YEAR STUDENT COMPLETES
	Ε	410	Technical Writing	3			x(s)		
	ST	450	(General Education Group IV)						
	31	450	Statistics for the Engineering and Physical Sciences	3			x(S)		
				Within the	e College				
	EG	125	Introduction to Engineering (CE)	2	X(F)				
			Engineering Graphics/Analysis	2	X(F)				
			Fluid Mechanics	3	``		x(s)		
			Fluid Mechanics Laboratory	1			x(s)		
			Material Science for Engineers	4			X(F)	r(f)	
			<u>¥</u>	ithin the	O epartment				
	CE	21.1	Statics	3		X(F)			
			Strength of Materials	- 3		x(s)			
100	CE		Materials Laboratory	1		x(S)			-
	CE		Introduction to Environmental Engineeri	na 3			X(F)		
	CE		Analysis of Structures	4			x(F)	*(=)	
-	CE	311	Dynamics CE 381 Computer Matrix	15 33			x(F)	(11)	
1	324	23	Soil Mechanics and Geotechnics	4 =				## X(F)	
{	CE	122	Systems Cesign and Operation	3				TIST X(S)	1
			(CE 402 Steel Derigu						
			One of: < = CE 403 Concrete De	3				X(F)	
- 1	CE	441	Hydrology CEAST water Supply Eng	5 3 3 3 S				x(F)	*(z-) .
1	or			-				<u> > (5)</u>	
-1		442	m, ar access and array	3			(6)		
_	CE 3	453	Transportation Engineering	3	,		×(s)		1(f)
			<u></u>	Technical	Electives				
òur	744	Cour	l Electives ses: three courses must explanate design				AFEST	1(3)	x(F,S,S)
	Engi	neer	e courses sust esphasize an area of Civi ing. points must be satisfied; sec listings for dept. tech. electric						
			to total a minimum of	**** (6	51				
	(F)	- F3J	I SEMESTER (S) - SPRING SE	MEGTED					

(F) - FALL SEXESTER

(S) - SPRING SEMESTER

Note: The technical elective program is under constant review by the faculty. An updated list is available in the department office. Students should check with their advisers before selecting courses and should be aware that a formal mechanism exists to provide additional flexibility in selection of their Technical Elective courses.