

UNIVERSITY FACULTY SENATE

SUMMARY OF AGENDA

MARCH 6, 1995

- I. **ADOPTION OF THE AGENDA**
- II. **APPROVAL OF THE MINUTES:** February 6, 1995
- III. **REMARKS BY UNIVERSITY PROVOST SCHIAVELLI:** Reductions in funds for temporary faculty will be discussed
- IV. **ANNOUNCEMENTS:** Senate President McLaughlin

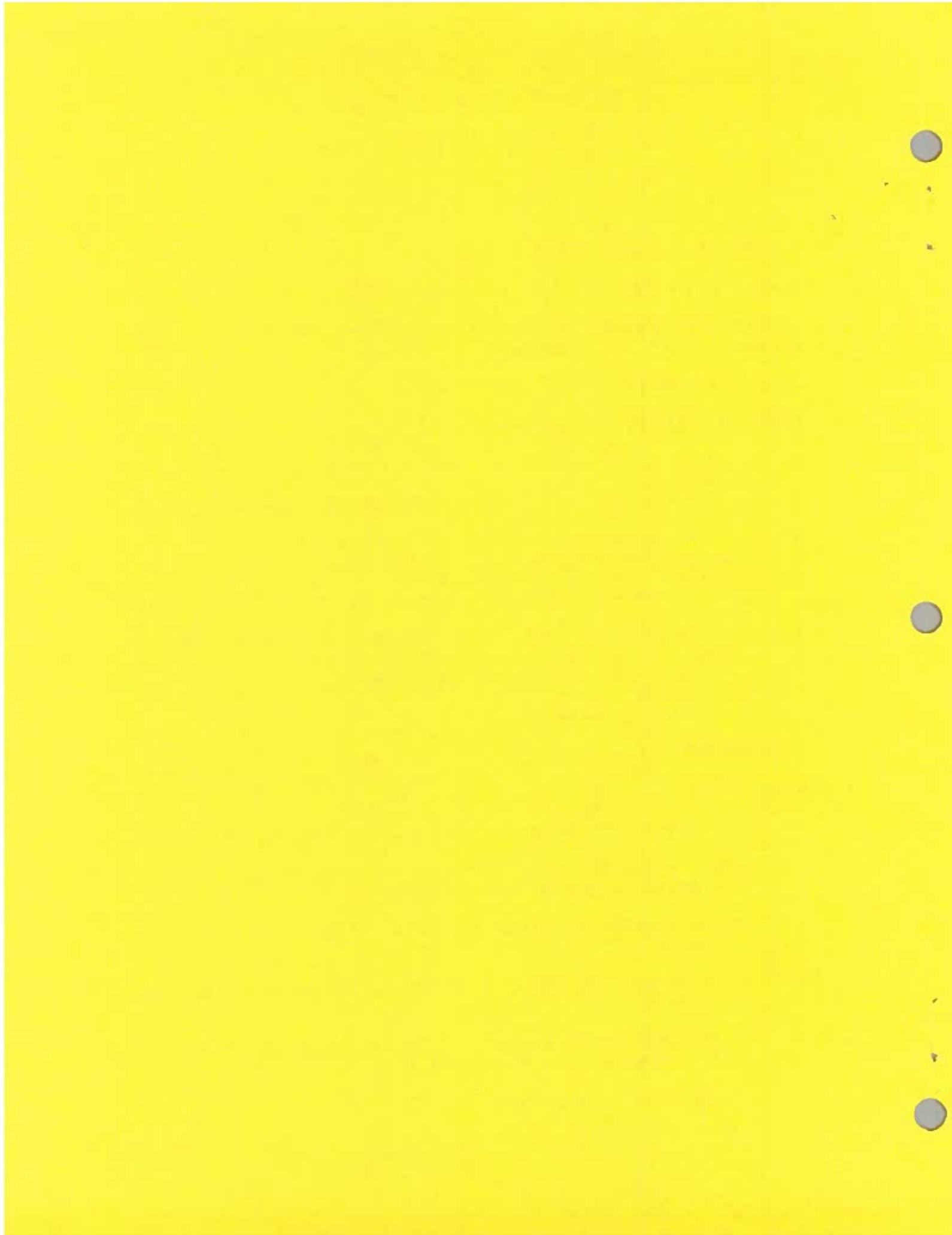
ANNOUNCEMENTS FOR CHALLENGE

1. Revision of the major in Agricultural Business Management: Food Marketing
2. Revision to the minor in Agricultural Business Management/Agricultural Economics
3. Revision of the major in Agricultural Economics
4. Revision of the major in Agricultural Education
5. Revision of the major in Food Science
6. Revision of the B.A. in English: Addition of concentration in Ethnic and Cultural Studies
7. Revision of the B.A. and B.S. in Computer and Information Sciences
8. Revision of the minor in Computer Science
9. Revision of the B.S. in Human Resources:
 - a. Dietetics
 - b. Nutritional Sciences

V. **OLD BUSINESS** - None

VI. **NEW BUSINESS**

- A. Recommendation for the permanent status of the B.S. in Biochemistry
- B. Recommendation for the permanent status of the B.A. in History, Journalism Concentration
- C. Recommendation for the permanent status of the B.A. in Earth Sciences Education
- D. Recommendation for the reorganization of the School of Life and Health Sciences
- E. Recommendation on amending the Faculty Handbook concerning the policy on Student Class Attendance
- F. Introduction of new business






University of Delaware

UNIVERSITY FACULTY SENATE
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February 24, 1995

TO: All Faculty Members

FROM: Thomas S. Angell, Vice President 
University Faculty Senate

SUBJECT: Regular Faculty Senate Meeting, March 6, 1995

In accordance with Section IV, paragraph 6 of the Constitution, the regular meeting of the University Faculty Senate will be held on Monday, March 6, 1995 at 4:00 p.m. in room 110 Memorial Hall. The agenda will be as follows:

AGENDA

- I. Adoption of the Agenda.
- II. Approval of the minutes of the Senate meeting of February 6, 1995.
- III. Remarks by University Provost Schiavelli: Reduction in funds for temporary faculty will be discussed.
- IV. Announcements: Senate President McLaughlin
Announcements for Challenge
 1. Revision of the major in Agricultural Business Management: Food Marketing (Attachment 1)
 2. Revision to the minor in Agricultural Business Management/Agricultural Economics (Attachment 2)
 3. Revision of the major in Agricultural Economics (Attachment 3)
 4. Revision of the major in Agricultural Education (Attachment 4)
 5. Revision of the major in Food Science (Attachment 5)
 6. Revision of the B.A. in English: Addition of concentration in Ethnic and Cultural Studies (Attachment 6)
 7. Revision of the B.A. and B.S. in Computer and Information Sciences (Attachment 7)

8. Revision of the minor in Computer Science (Attachment 8)
9. Revision of the B.S. in Human Resources: (Attachment 9)
 - a. Dietetics
 - b. Nutritional Sciences

V. Old Business - None

VI. New Business

- A. Recommendation from the Committee on Undergraduate Studies (R. Singleton, Chairperson), with the concurrence of the Coordinating Committee on Education (H. Hall, Chairperson), for the permanent status of the B.S. in Biochemistry. (Attachment 10)

WHEREAS, the Bachelor of Science degree program in Biochemistry has been reviewed and public hearings have been held, and

WHEREAS, the appropriate Faculty Senate committees have recommended that this program be given permanent status, be it therefore

RESOLVED, that, effective immediately, the Bachelor of Science degree program in Biochemistry be granted permanent status.

- B. Recommendation from the Committee on Undergraduate Studies (R. Singleton, Chairperson), with the concurrence of the Coordinating Committee on Education (H. Hall, Chairperson), for permanent status of the B.A. in History, Journalism Concentration. (Attachment 11)

WHEREAS, the Bachelor of Arts degree in History with a concentration in Journalism has been reviewed and public hearings have been held, and

WHEREAS, the appropriate Faculty Senate committees have recommended that this program be given permanent status, be it therefore

RESOLVED, that, effective immediately, the Bachelor of Arts degree in History with a concentration in Journalism be granted permanent status.

- C. Recommendation from the Committee on Undergraduate Studies (R. Singleton, Chairperson), with the concurrence of the Coordinating Committee on Education (H. Hall, Chairperson), for permanent status of the B.A. in Earth Science Education. (Attachment 12)

WHEREAS, the Bachelor of Arts degree in Earth Science Education has been reviewed and public hearings have been held, and

WHEREAS, the appropriate Faculty Senate committees have recommended that this program be given permanent status, be it therefore

RESOLVED, that, effective immediately, the Bachelor of Arts degree in Earth Science Education be granted permanent status.

D. Recommendation from the Coordinating Committee on Education (H. Hall, Chairperson), for the reorganization of the School of Life and Health Sciences. (Attachment 13)

WHEREAS, the faculty of the School of Life and Health Sciences has endorsed the plan to dissolve the School into separate departments, and

WHEREAS, the Coordinating Committee on Education has recommended that the proposed plan be followed, and

WHEREAS, the proposal for the new Department of Medical Technology to move from the College of Arts and Science to the College of Nursing is acceptable to the Deans of the respective colleges and the Provost, be it therefore

RESOLVED, that the Faculty Senate approves the proposed dissolution of the School of Life and Health Sciences into the Department of Biology and the Department of Medical Technology, and be it further

RESOLVED, that the Faculty Senate approves the relocation of the Department of Medical Technology from the College of Arts and Science to the College of Nursing.

E. Recommendation from the Committee on Student Life (B. Scott, Chairperson) on amending the Faculty Handbook concerning the policy on "Student Class Attendance."

WHEREAS, the current policy on Student Class Attendance has posed a large burden upon the Student Health Services to provide letters verifying illness of various levels of severity, often when verification is not possible, and

WHEREAS, serious illness was undefined in the old policy and serious illness in a student's family was not

WHEREAS, Deans' offices have been informing faculty of major illnesses and deaths in the families of students de facto, and this method achieves a desirable level of security, be it therefore

RESOLVED, that Section II, Conduct of the Academic Program, page II-8, paragraph 7., "Student Class Attendance" be amended as follows: [Additions are in bold type]

By action of the University faculty, the responsibility for defining attendance expectations is left to the individual faculty member, subject to the guidelines given below. Thus it is of great importance that early in each course the instructor make clear to each student what attendance expectations are, and how **absences due to "relatively minor" illnesses, as described below, are to be communicated.** The use of the syllabus to list attendance expectations and means of communicating about illnesses is recommended.

[Second paragraph and subparagraphs a and b remain unchanged]

c. Absences due to serious illness or death within a student's family are recognized as excused absences. To validate such absences, the student should present evidence to the Dean's Office of his or her college. The Dean's Office will then provide a letter of verification to all of the student's instructors for the term.

d. Absences due to serious illness (e.g. hospitalization, surgery, or protracted medical illness or convalescence) shall also be recognized as excused absences. To validate such absences, the student should present evidence of the illness to the Dean's office of his or her college. Supportive evidence will be provided on the student's request by the Student Health Service directly to the respective Deans.

For relatively minor, short-term illnesses (e.g. colds and flu, where attendance in class is undesirable), the University system depends upon reasonable communication between students and faculty. If possible, students should report such illnesses before the affected class, following the directions of the instructor provided at the start of the term.

[subparagraph d becomes e]

- F. Such items as may come before the Senate. (No motion introduced under new business, except a motion to refer to committee, shall be acted upon until the next meeting of the Senate.)

TA/rg

Attachments: Committee Activities Report

1. Revision of the major in Agricultural Business Management
2. Revision to the minor in Agricultural Business Management/Agricultural Economics
3. Revision of the major in Agricultural Economics
4. Revision of the major in Agricultural Education
5. Revision of the major in Food Science
6. Revision of the B.A. in English
7. Revision of the B.A. and B.S. in Computer and Information Sciences
8. Revision of the minor in Computer Science
9. Revision of the B.S. in Human Resources
10. B.S. in Biochemistry
11. B.A. in History
12. B.A. in Earth Science
13. Reorganization of the School of Life and Health Sciences

COMMITTEE ACTIVITIES REPORT

ACADEMIC APPEALS, COMMITTEE ON (Palaniappa Krishnan)

Committee currently has 1-2 appeals pending

CULTURAL ACTIVITIES AND PUBLIC EVENTS, COMMITTEE ON (Juliet Dee)

No items currently before the committee

DIVERSITY AND AFFIRMATIVE ACTION, COMMITTEE ON (Hilton Brown)

Will be holding a hearing review on five years of compliance with the University's Affirmative Action Plan presented by Judith Gibson and Ronald Whittington.

GRADUATE STUDIES, COMMITTEE ON (Kenneth Koford)

1. Discussing the merger of Food Science and Animal Science Departments
2. Discussing request for permanent status for Ph.D. in Art Conservation Program
3. Discussing status of research seminars at U.D.--seminars with speakers presenting current research

RETIRING, RETIRED AND EMERITI FACULTY, SUBCOMMITTEE ON (Robert Day)

Discussing clarification of draft statement for "University of Delaware Benefits for Retired Employees" brochure published by the Benefits Office

STUDENT AND FACULTY HONORS, COMMITTEE ON (Robert Taggart)

1. Revising and extending Honors Day activities
2. Reviewing the C.A.S.E. Award for faculty
3. Soliciting nominations for the Excellence in Teaching and Excellence in Undergraduate Academic Advising Awards

STUDENT LIFE, COMMITTEE ON (Bonnie Kime Scott)

1. Rewording section on weapons, firearms and explosive chemicals or devices in "Student Code of Conduct"
2. Discussing suggestions for changes in Student Handbook concerning judicial policies

/wc

**DEGREE: BACHELOR OF SCIENCE IN AGRICULTURE
MAJOR: AGRICULTURAL BUSINESS MANAGEMENT
CONCENTRATION: FOOD MARKETING**

CURRICULUM	CREDITS*
UNIVERSITY REQUIREMENTS	
ENGL 110 Critical Reading and Writing**	3
Three credits in an approved course or courses stressing multicultural, ethnic, and/or gender-related content.†	3
COLLEGE REQUIREMENTS	
Mathematics and Computer Science	
Mathematics course (MATH 115 or higher level)†	3
Computer Science course (FREC 202 or equivalent)	3

135

Agricultural and Biological Sciences	9-12	1-2
Minimum of one course outside the student's major in three of the following areas: Food and Resource Economics, Food Science, Agricultural Engineering, Animal Science, Entomology and Applied Ecology, Plant and Soil Sciences, or Biology.		
Literature and Arts	6	2
Six credits selected from the general areas of English, Art, Art History, Communication, Music, Theatre, or Foreign Language.		
Social Sciences and Humanities	9	2
Minimum of one course in three of the following areas: Anthropology, Black American Studies, Criminal Justice, Economics, Education, Geography, History, Philosophy, Political Science, Psychology, Sociology, or Women's Studies.		
Physical Sciences	8	1
Minimum of eight credits selected from one of the following areas: Chemistry, Physics, Geology, or Physical Science.		
MAJOR REQUIREMENTS		
External to the College		
ACCT 207 Accounting I	3	3
ACCT 208 Accounting II	3	3
COMM 312 Oral Communication in Business	3	3
ENGL 312 Written Communications in Business	3	3
ECCN 151 Introduction to Microeconomics	3	3
ECCN 152 Introduction to Macroeconomics	3	3
BIAD 301 Introduction to Marketing	3	3
Two additional courses offered by the College of Business and Economics	6	3

Within the Department of Agriculture and Natural Resources

FREC 120 Economics of Agricultural Business	3
FREC 125 Semester Agricultural Economics Applications	1
FREC 202 Introduction to Data Analysis	3
FREC 240 Quantitative Methods in Agricultural Economics	3
FREC 465 Seminar	1

Seven courses at the 400 level or above with at least two in each of the following general areas:

1. Marketing/International Trade	
FREC 404 Food Marketing and Film Marketing	3
FREC 410 International Agribusiness Trade and Marketing	3
FREC 441 Futures Marketing in Agriculture and Options Markets	3
2. Production/Management	
FREC 403 Production Economics	3
FREC 406 Agricultural Policy	3
FREC 408 Research Methods	3
FREC 427 Agricultural Business Financial Management	3
3. Resources/Development	
FREC 420 Agriculture in Economic Development	3
FREC 424 Resource Economics Theory and Policy	3
FREC 429 Rural Development Theory and Policy	3
FREC 444 Economics of Environmental Management	3

FREC 405, FREC 435, FREC 630 and Independent Study may not be counted in the seven courses.

The requirements for the major in Agricultural Business Management must be met. The following department courses are required for the concentration and may also be used to meet the area requirements for the Agricultural Business Management major:

FREC 404 Food Marketing and Film Marketing	3
FREC 408 Research Methods	3
FREC 410 International Agribusiness Trade and Marketing	3
FREC 427 Agricultural Business Financial Management	3
FREC 441 Futures Marketing in Agriculture and Options Markets	3

In addition, the following courses are required:

FREC 405 Agricultural Business Administration	3
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10 Agricultural Business Administration courses at the 300 or 400 level in marketing related areas. These are in addition to BIAD 301—Introduction to Marketing and the two additional Business and Economics courses required by the Agricultural Business Management major.

A maximum of three credits of Independent Study in Food and Resource Economics and a maximum of six credits of Independent

Study in all areas, including Food and Resource Economics, may be counted toward a degree.

ELECTIVES

Electives

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree. May include Military Science, Music, or Physical Education. (Only four credits of activity-type Physical Education and/or four credits of Performing Music organization credit may be counted toward the degree.)

CREDITS TO TOTAL A MINIMUM OF 130

ATTACHMENT 2

REQUIREMENTS FOR A MINOR IN AGRICULTURAL BUSINESS MANAGEMENT/AGRICULTURAL ECONOMICS

The minor in Agricultural Business Management/ Agricultural Economics requires 18 credits of courses with the FREC prefix including FREC 120 and FREC 201. Four additional courses are required including at least one course from each of the following three areas:

CURRICULUM	CREDITS
1. Marketing/International Trade	
FREC 312 Food Retailing and Wholesaling	3
FREC 404 Food Marketing and Film Marketing	3
FREC 410 International Agribusiness Trade and Marketing	3
FREC 441 Futures Marketing in Agriculture and Options Markets	3
2. Production/Management	
FREC 350 Farm Management	3
FREC 403 Agricultural Production Economics	3
FREC 406 Agricultural Policy	3
FREC 408 Research Methods	3
FREC 427 Agricultural Business Financial Management	3
3. Resources/Development	
FREC 420 Agriculture in Economic Development	3
FREC 424 Resource Economics Theory and Policy	3
FREC 429 Rural Economic Development Theory and Policy	3
FREC 444 Economics of Environmental Management	3

A minimum grade of C is required in all courses counting toward the minor. Credits for FREC 405, FREC 435, FREC 630, Independent Study and Field Experience do not apply.

*Semester figures indicate year or years in which the course is normally taken, i.e., 1 freshman year, 2 sophomore year, etc.

**Minimum grade of C- required.

†This requirement may be fulfilled through a course or courses taken to complete other degree requirements; it cannot be fulfilled by a course taken pass/fail. See page 23.

**DEGREE: BACHELOR OF SCIENCE IN AGRICULTURE
MAJOR: AGRICULTURAL ECONOMICS**

CURRICULUM	CREDITS*
UNIVERSITY REQUIREMENTS	
ENGL 110 Critical Reading and Writing**	3 ¹
Three credits in an approved course or courses stressing multicultural, ethnic, and/or gender-related content.†	3 ¹⁻⁴
COLLEGE REQUIREMENTS	
<i>Mathematics and Computer Science</i>	
Mathematics course (MATH 115 or higher level)†	3 ¹
Computer Science course (FREC 304 or equivalent)	3 ¹
<i>Agricultural and Biological Sciences</i>	9.12 ^{1,2}
Minimum of one course outside the student's major in three of the following areas: Food and Resource Economics, Food Science, Agricultural Engineering, Animal Science, Entomology and Applied Ecology, Plant and Soil Sciences, or Biology.	
<i>Literature and Arts</i>	6 ²
Six credits selected from the general areas of English, Art, Art History, Communication, Music, Theatre, or Foreign Language.	
<i>Social Sciences and Humanities</i>	9 ²
Minimum of one course in three of the following areas: Anthropology, Black American Studies, Criminal Justice, Economics, Education, Geography, History, Philosophy, Political Science, Psychology, Sociology, or Women's Studies.	
<i>Physical Sciences</i>	8 ^{1,2}
Minimum of eight credits selected from one of the following areas: Chemistry, Physics, Geology, or Physical Science.	
MAJOR REQUIREMENTS	
<i>External to the College</i>	
COMM 312 Oral Communication in Business	3 ⁴
ENGL 312 Written Communications in Business	3 ³
ECON 151 Introduction to Microeconomics	3 ³
ECON 152 Introduction to Macroeconomics	3 ³
ECON 302 Money, Credit and Banking	3 ^{3,4}
ECON 300 Intermediate Microeconomic Theory	3 ^{3,4}
ECON 303 Intermediate Macroeconomic Theory	3 ^{3,4}
Two additional courses offered by the College of Business and Economics at the 300 level or higher.‡	6 ^{3,4}
<i>Within the Department</i>	
FREC 160 Elementary Agricultural Economics	3 ¹
FREC 125 Elementary Agricultural Economics: Applications	1 ¹
FREC 201 Records and Accounts	3 ²
FREC 335 Introduction to Data Analysis	3 ¹
FREC 240 Quantitative Methods in Agricultural Economics	3 ²
FREC 465 Seminar	1 ⁴
Seven courses at the 400 level or above with at least two in each of the following general areas:	
1. Marketing/International Trade	
FREC 404 Food Marketing <i>and Fiber Marketing</i>	3 ^{3,4}
FREC 410 International Agricultural Trade <i>Agribusiness Trade and</i>	3 ^{3,4}
FREC 441 Futures Markets <i>and Derivatives Markets</i>	3 ^{3,4}
2. Production/Management	
FREC 403 Production Economics	3 ^{3,4}
FREC 406 Agricultural Policy	3 ^{3,4}
FREC 408 Research Methods	3 ^{3,4}
FREC 427 <i>Agricultural Finance and Investment Financial Management</i>	3 ^{3,4}
3. Resources/Development	
FREC 420 Agriculture in Economic Development	3 ^{3,4}
FREC 424 Resource Economics—Theory and Policy	3 ^{3,4}
FREC 429 Rural Economic Development—Theory and Policy	3 ^{3,4}
FREC 444 Economics of Environmental Management	3 ^{3,4}
FREC 405, FREC 435, FREC 430, and Independent Study may not be counted in the seven courses.	
A maximum of three credits of Independent Study in Food and Resource Economics and a maximum of six credits of Independent Study in all areas, including Food and Resource Economics, may be counted toward a degree.	
ELECTIVES	
Electives	29-33 ^{1,4}
May include Military Science, Music, or Physical Education. [Only four credits of activity-type Physical Education and/or four credits of performing Music organization credit may be counted toward the degree.]	
CREDITS TO TOTAL A MINIMUM OF	130

**DEGREE: BACHELOR OF SCIENCE IN AGRICULTURE
MAJOR: AGRICULTURAL EDUCATION**

CURRICULUM	CREDITS*
UNIVERSITY REQUIREMENTS	
ENGL 110 Critical Reading and Writing**	3 ¹
Three credits in an approved course or courses stressing multicultural, ethnic, and/or gender-related content.†	3 ¹⁻⁴
COLLEGE REQUIREMENTS	
<i>Mathematics and Computer Science</i>	
Mathematics course	3 ¹
Computer Science course selected from CISC 105, EGTE 111, FREC 235, or equivalent	3 ²
<i>Agricultural and Biological Sciences</i>	9.12 ^{1,2}
Minimum of one course outside the student's major in three of the following areas: Food and Resource Economics, Food Science, Agricultural Engineering, Animal Science, Entomology and Applied Ecology, Plant and Soil Sciences, or Biology.	
<i>Literature and Arts</i>	9 ²
Nine credits from English and/or Communication.	
<i>Social Sciences and Humanities</i>	9 ²
Minimum of one course in three of the following areas: Anthropology, Black American Studies, Criminal Justice, Economics, Education, Geography, History, Philosophy, Political Science, Psychology, Sociology, or Women's Studies.	
<i>Physical Sciences</i>	8 ¹
Minimum of eight credits selected from one of the following areas: Chemistry, Physics, Geology, or Physical Science.	
MAJOR REQUIREMENTS	
<i>External to the College</i>	
EDST 304 Educational Psychology – Social Aspects	3 ³
EDST 305 Educational Psychology – Cognitive Aspects	3 ³
EDDV 400 Student Teaching	6 ⁴
<i>Within the College</i>	
A 2.75 index in at least thirty credits of technical agriculture from at least three departments in the college.	30 ^{3,4}
<i>Within the Department</i>	
Professional Education	
AGED 380 Agricultural Education Materials and Approaches I	3 ³
AGED 381 Agricultural Education Materials and Approaches II	3 ³
ELECTIVES	
Electives	32-35 ^{1,4}
May include Military Science, Music, or Physical Education. [Only four credits of activity-type Physical Education and/or four credits of performing Music organization credit may be counted toward the degree.]	
In order to graduate with a major in Agricultural Education, students must have a minimum of 40 credit hours of General Education.	
CREDITS TO TOTAL A MINIMUM OF	130

EDST 230 Introduction to Exceptional Children...3²

**DEGREE: Bachelor of Science in Agriculture
MAJOR: Food Science**

Introduce alternative course CHEM 527
(Introductory Biochemistry...3³)
for CHEM 419 Introductory Physical Chemistry
NEW REQUIREMENT WILL READ:
CHEM 419 Introductory Physical Chemistry...3³ OR
CHEM 527 Introductory Biochemistry...3³

Requirements for Major in English Ethnic and Cultural Studies

CORE SEQUENCE

All majors must complete five of the following six courses:

- ENGL 202—Biblical and Classical Literature
 - ENGL 205—Great English Writers I
 - ENGL 206—Great English Writers II
 - ENGL 300—Texts and Contexts*
 - ENGL 324—Shakespeare
 - ENGL 340—American Literature to the Civil War
- OR
- ENGL 341—American Literature: Civil War to World War II

*Concentrators in Ethnic and Cultural Studies MUST include ENGL 300 as one of the five courses chosen.

LITERATURE COURSES

In addition to the core sequence, English majors concentrating in Ethnic and Cultural Studies must take 3 literature courses:

- one 300- or 400-level course in literature from the medieval period to 1900 (excluding ENGL 324);
- one 300- or 400-level course in Modern literature or Cultural/Theoretical studies;
- one 200-, 300-, or 400-level literature course.

ETHNIC AND CULTURAL STUDIES COURSES

In addition to ENGL 300, students concentrating in Ethnic and Cultural Studies must also take the following courses:

- ENGL 379—Introduction to Ethnic and Cultural Studies
- ENGL 382—Studies in Multicultural Literature (may be repeated for credit when topics differ)

Two other courses at the 300-level or above, to be chosen in consultation with your concentration advisor

ONE OF THE COURSES SELECTED UNDER "LITERATURE COURSES" OR "ETHNIC AND CULTURAL STUDIES COURSES" MUST BE A 480 SEMINAR.

IMPORTANT NOTES

ENGL 307, 308, 309, 310, 407, 409 count toward the English major only as part of the concentration in Journalism; ENGL 312, 410, 411, 412, 413, 414, 415, 464 count toward the /English major only as part of the concentration in Business and Technical Writing.

ENGL 200, 204, 210, 301, 365 do not count toward the English major.

ATTACHMENT 7

DEGREE: BACHELOR OF ARTS
MAJOR: COMPUTER AND INFORMATION SCIENCES

CURRICULUM	CREDITS*
See page 70 for University and College requirements.	
MAJOR REQUIREMENTS	
Within the Department	
CISC 180 Introduction to Computer Science I	3 1
CISC 181 Introduction to Computer Science II	3 1
CISC 220 Data Structures	3 2
CISC 260 Machine Organization and Microcomputers	3 2
Eighteen credits of Computer Science numbered 301 or above, approved by the student's adviser.	18
Within the College	
MATH 210 Discrete Mathematics I	3 1
MATH 241 Analytic Geometry and Calculus A	4 1
MATH 315 Discrete Mathematics II	3 2

ELECTIVES
Electives
After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.

CREDITS TO TOTAL A MINIMUM OF 124

Marked passage to be replaced by

Within the Department	
CISC 181 Introduction to Computer Science	3 1
or	
CISC 105, CISC 120 General Computer Science, and	3 1
Object Oriented Programming in C++	2 1
then	
CISC 220 Data Structures	3 1
CISC 260 Machine Organization and Microcomputers	3 2
CISC 280 Programming Paradigms	3 2

OLD ATTACHMENT 8

REQUIREMENTS FOR A MINOR IN COMPUTER SCIENCE

A minor in computer science consists of a total of 15 credits including CISC 180, 181, and 220. Six additional credits at the 200 level or above (excluding CISC 200 and CISC 308) should be chosen with the adviser's approval.

Marked passage to be replaced by

REQUIREMENTS FOR A MINOR IN COMPUTER SCIENCE	
A minor in computer science consists of a total of 15 to 17 credits including CISC 181 (or CISC 105 and CISC 120), CISC 220, CISC 260. Six additional credits at the 200 level or above (excluding CISC 200 and CISC 308) should be chosen with the adviser's approval.	

OLD

DEGREE: BACHELOR OF SCIENCE
MAJOR: COMPUTER AND INFORMATION SCIENCES

CURRICULUM	CREDITS*
UNIVERSITY REQUIREMENTS	
ENGL 110 Critical Reading and Writing**	3 1
Three credits in an approved course or courses stressing multicultural, ethnic, and/or gender-related content.†	3 1-4
COLLEGE REQUIREMENTS	
Staff Requirements	
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content. This course must be taken after completion of 62 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet. (See list of courses approved for second writing requirement, page 70.)	3 1-4
Six credits from each of the following groups	18 1-4

Group A
Understanding and appreciation of the creative arts and humanities.

Group B
The study of culture and institutions over time.

Group C
Empirically based study of human beings and their environment.

MAJOR REQUIREMENTS	
Within the Department	
CISC 180 Introduction to Computer Science I	3 1
CISC 181 Introduction to Computer Science II	3 1
CISC 220 Data Structures	3 2
CISC 260 Machine Organization and Microcomputers	3 2
CISC 310 Logic and Programming	3 3
CISC 320 Algorithms and Advanced Programming	3 3
CISC 360 Computer Architecture	3 3
CISC 361 Operating Systems	3 3
CISC 471 Computer Design	3 4

CISC Electives..... 9 1-4
Nine credits of Computer Science numbered 301 or above, approved by the student's adviser.

CISC Concentration..... 12 1-4
Twelve credits in advanced courses in an adviser-approved concentration. Students are encouraged to explore how other subject areas impact and are impacted by computer science. An approved form signed by the CSC adviser is required.

Within the College	
Related Work	
MATH 210 Discrete Mathematics I	3 1
MATH 241 Analytic Geometry and Calculus A	4 1
MATH 315 Discrete Mathematics II	3 2
STAT 205 Statistical Methods	4 2
ENGL 312 Within Communications in Business	3 3
or	
ENGL 410 Technical Writing	3 3
CSCC 355 Computer, Ethics and Society	3 3

One of the following sequences of laboratory science courses:
PHYS 207 General Physics..... 4 1 3
PHYS 208 General Physics..... 4 1 3
or
CHEM 103 General Chemistry..... 4 1 3
CHEM 104 General Chemistry..... 4 1 3
or
BISC 207 Introductory Biology I..... 4 1 3
BISC 208 Introductory Biology II..... 4 1 3
or
GEOG 106 General Geology..... 4 1 3
GEOG 107 General Geology..... 4 1 3

Within the University
ELEG 202 Introduction to Digital Systems..... 4 2

MARKED PASSAGE TO BE REPLACED BY

Within the Department

CISC 181 Introduction to Computer Science	3 1
or	
CISC 105, CISC 120 General Computer Science, and	3 1
Object Oriented Programming in C++	2 1
then	
CISC 220 Data Structures	3 1
CISC 260 Machine Organization and Microcomputers	3 2
CISC 280 Programming Paradigms	3 2

AND

ELEG 202 INTRODUCTION TO DIGITAL SYSTEMS

OR

ELEG 210 & ELEG 211

INTRODUCTION TO COMBINATIONAL LOGIC

INTRODUCTION TO SEQUENTIAL CIRCUITS

(2 credits each)

ATTACHMENT 9a

DEGREE: BACHELOR OF SCIENCE IN HUMAN RESOURCES
MAJOR: DIETETICS

CURRICULUM CREDITS*

UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing**	3	1
Three credits in an approved course or courses stressing multicultural, ethnic, and/or gender-related content.†	3	1-4

MAJOR REQUIREMENTS

External to the College

Humanities electives 9-24

Sciences

CHEM 101 General Chemistry	4	1
or CHEM 103 General Chemistry	4	
CHEM 102 General Chemistry	4	1
or CHEM 104 General Chemistry	4	
CHEM 213 Elementary Organic Chemistry	4	2
CHEM 214 Elementary Biochemistry	3	2
CHEM 216 Elementary Biochemistry Laboratory	1	2
BISC 103 General Biology ‡	3	1
BISC 113 General Biology Laboratory	1	1
or BISC 207 Introductory Biology I	4	1
and BISC 208 Introductory Biology II	4	1
BISC 106 Elementary Human Physiology ‡	3	2
BISC 116 Elementary Human Physiology Laboratory	4	2
or BISC 406 Human Physiology	3	1,2
BISC 416 Human Anatomy and Physiology Laboratory	1	1,2
BISC 371 Introduction to Microbiology	4	3

Social Sciences

ECON 151 Introduction to Microeconomics	3	1
PSYC 201 General Psychology	3	1
Sociology course	3	3
BUAD 309 Management and Organizational Behavior	3	3
Social Science elective	3	4

(See page 168.)

Food Science

FOSC 201 Food Principles	2	2
FOSC 211 Food Principles Laboratory	1	2
FOSC 305 Food Science	2	2
FOSC 306 Food Science Laboratory	1	2

Other

Statistics course	3	2
MATH 114 Elementary Mathematics and Statistics	3	1

Equivalent competency

Within the College

†FST course	3	1-4
TDCE course	3	1-4

Within the Department

A minimum grade of C must be achieved for credits to count toward the fulfillment of 41 credits in NTDI and FOSC; 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 (NTDI x66) may count toward the fulfillment of this requirement.

Admission into Dietetics requires the completion of most courses in the first three semesters of Applied Nutrition. A cumulative grade point average of 2.5 is required for admission and retention.

NTDI 103 Introduction to Nutrition Professions	1	1
NTDI 200 Nutrition Concepts	3	1
NTDI 240 Introduction to Clinical Dietetics	2	2,2
NTDI 321 Quantity Food Production and Service	3	3
NTDI 322 Food Service Systems Management	4	3
NTDI 323 Laboratory in Quantity Food Production and Service	3	1
NTDI 330 Nutrition Counseling	3	1
NTDI 400 Macronutrients	3	1
NTDI 401 Macronutrients	3	1
NTDI 403 Dietetics Seminar	1	4
NTDI 421 Nutrition Research Methods	3	4,3
NTDI 440 Nutrition and Disease	3	4,3
NTDI 445 Nutrition Education	3	4
NTDI 460 Community Nutrition	3	4

ELECTIVES

Electives 16-20 1-4

May include Military Science, Music, or Physical Education. (Only two credits of activity-type Physical Education and four credits of Music organization credits and four credits of 100- and 200-level courses in Military Science/Air Force may be counted toward the degree.)

CREDITS TO TOTAL A MINIMUM OF 129

Sociology requirement to be replaced by:
SOCI 201, 202, 203, 204, 209, 210, 242, 243, 310,
OR PSYC 303
and marked credit changes

ATTACHMENT 9b

DEGREE: BACHELOR OF SCIENCE IN HUMAN RESOURCES
MAJOR: NUTRITIONAL SCIENCES

CURRICULUM CREDITS*

UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing**	3	1
Three credits in an approved course or courses stressing multicultural, ethnic, and/or gender-related content.†	3	1-4

MAJOR REQUIREMENTS

External to the College

Humanities electives 9-24

(See pages 203-204.)

Sciences

CHEM 103 General Chemistry	4	1
CHEM 104 General Chemistry	4	1
CHEM 321 Organic Chemistry	3	2
CHEM 325 Organic Chemistry Laboratory	2	2
CHEM 322 Organic Chemistry	2	2
CHEM 326 Organic Chemistry Laboratory	4	1
BISC 207 Introductory Biology I	4	1
BISC 208 Introductory Biology II	4	1
BISC 406 Human Physiology	4	1
BISC 416 Human Anatomy and Physiology Laboratory	4	1
BISC 371 Introduction to Microbiology	4	2
CHEM 214 Elementary Biochemistry	1	2
CHEM 216 Elementary Biochemistry Laboratory	3	2
CHEM 220 Quantitative Analysis I	3	2
CHEM 221 Quantitative Analysis Laboratory	1	2
PHYS 201 General Physics	4	3

Social Sciences

ECON 151 Introduction to Microeconomics 3-24

Social Science electives 12-24

(See pages 203-204.)

Food Science

FOSC 201 Food Principles	2	2
FOSC 211 Food Principles Laboratory	1	2
FOSC 305 Food Science	2	2
FOSC 306 Food Science Laboratory	1	2

Other

FREC 408 Research Methods	3	3
MATH 221 Calculus I	3	1
or MATH 241 Analytic Geometry and Calculus A	4	
MATH 222 Calculus II	3	1
or MATH 242 Analytic Geometry and Calculus B	4	

Within the College

†FST course 3-14

or TDCE course 3-14

Human Resources courses 8-3,4

(†FST, NTDI, TDCE, HRM, HURE)

Within the Department

A minimum grade of C must be achieved for credits to count toward the fulfillment of 32 credits in NTDI and FOSC; 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 (NTDI x66) may count toward the fulfillment of this requirement. Note: NTDI 150 and NTDI 303 are not applicable to degree requirements.

NTDI 200 Nutrition Concepts	3	1
NTDI 400 Macronutrients	3	2
NTDI 401 Macronutrients	3	2
NTDI 421 Nutrition Research Methods	3	2,4
NTDI 440 Nutrition and Disease	3	2,4
NTDI courses (300 level or higher)	1	1-2,4

ELECTIVES

Electives 5-7 2-4

May include Military Science, Music, or Physical Education. (Only two credits of activity-type Physical Education and four credits of Music organization credits and four credits of 100- and 200-level courses in Military Science/Air Force may be counted toward the degree.)

CREDITS TO TOTAL A MINIMUM OF 129

Changes in credit hours as marked.

ATTACHMENT 10

August 31, 1994

REPORT ON BIOCHEMISTRY MAJOR

The College of Arts and Science Faculty Senate has established an extensive review process for considering whether major programs should be moved from temporary to permanent status. A subcommittee was formed, consisting of Frank Dilley (chair), Robin Morgan, Jon Olson and John Wehmiller, a set of questions was sent to the Chemistry Department and a extensive report was prepared by Hal White to assist in the review process, and questionnaires were mailed to all graduates of the program and all undergraduate majors currently in the program.

The subcommittee met with Hal White to review the findings from the questionnaires and to discuss issues raised by his report, and is pleased to report that the Biochemistry major seems to be in excellent shape, well worthy of being granted permanent status. We have no hesitation in recommending that the Biochemistry Major be approved for permanent status.

The subcommittee does have two concerns to report. First, there is concern that the staffing of the program will be inadequate in the future if current faculty, retiring or on probationary status, are not replaced or tenured as the case may be. Second, the program needs to be strengthened to serve the needs of the students and to more nearly approximate the "Recommended Program" suggested by the American Society of Biochemists and Molecular Biologists and the Biochemistry Section of the American Chemical Society.

We have examined the rationale for the structure of the program, the patterns of course offerings, the course enrollments, and the rapid growth in the number of Biochemistry Majors, and it is our view that the Biochemistry Faculty have created an excellent program which should enjoy a long life. Indeed, the evidence shows that the number of Biochemistry majors has already surpassed the number of regular Chemistry majors and is likely to continue to grow into an even larger percentage of the total. It is gratifying to note that none of the courses offered in the program in the last three years has had enrollment problems.

Moreover, the questionnaire responses indicated an astonishing degree of consensus on the part of students and graduates that the program really lives up to its description and that it provides suitable training for careers in the profession.

The few complaints reinforced Professor White's written comments that there are needs for a regularized introductory Biochemistry course and an advanced Biochemistry lab course.

Given the fact that one retirement is occurring, and that two junior faculty are in the last years of their contracts unless promoted, the staffing problem is a matter of some urgency. The subcommittee finds it difficult to believe that the present high level of instruction could be continued if the number of faculty involved in the program is diminished. Additionally, the Biochemistry course now being funded from a development grant will need to be moved to base budget support and taught on load.

The subcommittee notes that the program as presently constituted does not mandate the taking of two advanced biology courses as is suggested in the "Recommended Biochemistry Undergraduate Degree Requirements" but lists them as voluntary. It commends the department on instituting a Biochemistry Lab and hopes that a way can be found to teach it in regular sessions and on the regular budget. It further suggests that the Chemistry Department explore the introduction of a section of Physical Chemistry for Life Science and Biochemistry majors, which would advance the effort to provide Biochemistry courses below the advanced level.

We have attached four supporting documents, a description of the program, a report showing enrollments in courses through the Fall of 1993, and the annotated results of the two surveys conducted of current undergraduate majors and graduates of the program.

Our recommendation is that the program be granted permanent status.

Frank Dilley, Chair
Robin Morgan
Jon Olson

DEGREE: BACHELOR OF SCIENCE MAJOR: BIOCHEMISTRY

CURRICULUM CREDITS*

UNIVERSITY REQUIREMENTS	
ENGL 110 Critical Reading and Writing**	3 ¹
Three credits in an approved course or courses stressing multicultural, ethnic, and/or gender-related content.#	3-14

COLLEGE REQUIREMENTS

Skill Requirements	
Writings**	3-4

A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content. This course must be taken after completion of 62 credit hours. Appropriate writing courses are normally designated in the semester's Registration Booklet. (See list of courses approved for second writing requirement, page 70.)

Foreign Languages	
Completion of the intermediate-level course (107 or 112) in a modern foreign language. Students with four or more years of high school work in a single modern foreign language may attempt to fulfill the requirement in that language by taking an exemption examination. (German recommended)	0-12 ¹⁴

Breadth Requirements* (See page 71)	
A total of twenty-one credits from Groups A, B and C is required with a minimum of six credits in each group. The six credits from each group could be from the same area.	21 ¹⁴

- Group A
Understanding and appreciation of the creative arts and humanities.
- Group B
The study of culture and institutions over time.
- Group C
Empirically based study of human beings and their environment.

MAJOR REQUIREMENTS

Within the Department	
CHEM 111 General Chemistry	3 ^{1F}
CHEM 112 General Chemistry	3 ^{1S}
CHEM 119 Quantitative Chemistry I	2 ^{1F}
CHEM 120 Quantitative Chemistry II	3 ^{1S}
CHEM 331 Organic Chemistry	3 ^{2F}
CHEM 333 Organic Chemistry Laboratory I	2 ^{2F}
CHEM 332 Organic Chemistry	3 ^{2S}
CHEM 334 Organic Chemistry Major Laboratory II	2 ^{2S}
CHEM 342 Introduction to Biochemistry	3 ^{2S}
CHEM 310 Computers in Chemistry (Recommended)	3 ³
CHEM 418 Introductory Physical Chemistry	3 ^{3F}
or	
CHEM 443 Physical Chemistry	3 ^{3F}
CHEM 437 Instrumental Methods	3 ³
CHEM 438 Instrumental Methods	3 ³
CHEM 641 Biochemistry	3 ^{3F}
CHEM 419 Introductory Physical Chemistry	3 ^{3S}
or	
CHEM 444 Physical Chemistry	3 ^{3S}
CHEM 445 Physical Chemistry Laboratory	3 ^{3S}
CHEM 642 Biochemistry	3 ^{3S}
Advanced Chemistry or Biochemistry course at 600 level	3 ⁴
Advanced Biochemistry courses at 600 level	6 ⁴
or	
Biology courses selected from the following:	6-8 ⁴
BSC 301 Molecular Biology of the Cell (4)	
BSC 303 Genetic and Evolutionary Biology (4)	
BSC 601 Immunochimistry (4)	
BSC 604 Recombinant DNA Laboratory (4)	
BSC 654 Biochemical Genetics (3)	
BSC 679 Virology (3)	
BSC 698 Comparative Endocrinology (3)	
CHEM 465 Seminar/Thesis semester	2 ⁴
CHEM 468 Undergraduate Research	6 ⁴
or	
Biology laboratory courses selected from the following:	8 ⁴
BSC 303 Genetic and Evolutionary Biology (4)	
BSC 306 General Physiology (4)	
BSC 371 Introduction to Microbiology (4)	
BSC 601 Immunochimistry (4)	

(Chemistry credits to total a minimum of 46)

Within the College

Related Work	
MATH 241 Analytic Geometry and Calculus A	4 ^{1F}
or	
MATH 221 Calculus I	3 ^{1F}
MATH 242 Analytic Geometry and Calculus B	4 ^{1S}
or	
MATH 222 Calculus II	3 ^{1S}
BSC 207 Introductory Biology I	4 ^{1S}
BSC 208 Introductory Biology II	4 ^{2F}
PHYS 201 General Physics	4 ^{2F}
PHYS 202 General Physics	4 ^{2S}

ELECTIVES

Electives
After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.

CREDITS TO TOTAL A MINIMUM OF 127

Candidates for a B.S. in biochemistry must achieve a cumulative GPA of at least 2.00 for all chemistry courses taken. The calculation of the chemistry course GPA (2.00 minimum required for graduation) for candidates for the B.S. degree in Chemistry or Biochemistry will not include grades earned for lower level interdisciplinary courses taken after a higher level course in the same discipline has been taken and passed with a grade of C or higher. Likewise, freshman-level courses may not be used by upperclassmen as GPA enhancers after those required for graduation has been taken. CHEM 342 and CHEM 100 will be regarded as exceptions to the foregoing prohibitions, since their subject matter coverage is considerably different than that found in higher level courses.

Examples A grade earned in CHEM 214 subsequent to a C or better grade earned in CHEM 527 (or CHEM 641/642) would not be counted in the chemistry GPA calculation for B.S. Chemistry or Biochemistry majors.

REPORT: SUBCOMMITTEE FOR HISTORY/JOURNALISM PROGRAM

Date: May 4, 1994

MEMBERS:

Judy Kennedy (Mathematics, Liaison with Academic Planning and Program Evaluation Committee)

Judy Anita Kennedy

Jan Blits (Educational Studies, Reviewer)

Sally Bould (Sociology, Reviewer)

Ken Campbell (Political Science, Reviewer)

The B.A. Degree in History/Journalism is a history major with an additional concentration in journalism courses. Thus, it offers a liberal arts education with a significant professional component. Delaware does not offer a journalism major; students can formally or informally major in English, history, or political science and take a concentration in journalism, but they cannot major in journalism. The rationale for the major, according to Professor Pong, is the following: "[H]istory provides essential skills to those who practise journalism. As a discipline, history enables the observer-reporter to see contemporary events in perspective, to understand and help the reader to understand their historical roots, and to research and analyze relevant data logically and sequentially. As subject matter, history provides the practitioner with a readily accessible body of knowledge crucial to most in-depth journalistic endeavors, be they pieces on current events or reviews on artistic or literary works."

The Subcommittee recommends that the B.A. Degree in History/Journalism be granted permanent status. It felt that the approach of journalism from a historical perspective is a valid one, and it liked the fact that the degree offers a liberal arts education combined with practical, career oriented preparation for jobs in journalism or public relations. The program is a small one, and is relatively inexpensive for the University to run (although it is not free, given the extra input of time and effort required on the part of both the history and journalism professors). The Subcommittee had some criticisms of the program as well: Both the graduates and current undergraduates appear to be failing, as a whole, to make the connection between history and journalism. In particular, there seems to be a problem with advisement. Probably this is a result of the major being shared by two departments, and faculty in one department not being sufficiently knowledgeable about relevant goings-on in the other department. The Subcommittee recommends (1) that an effort be made to improve advisement of students in the program, and (2) if possible, the creation of an upper level synthesizing course for this major.

**DEGREE: BACHELOR OF ARTS
MAJOR: HISTORY
CONCENTRATION: JOURNALISM**

CREDITS*

See page 70 for University and College requirements.

MAJOR REQUIREMENTS

Within the Department

HIST 101 Western Civilization to 1648	3-4
HIST 102 Western Civilization: 1648 to the Present	3-4
HIST 268 Seminar	3-4
History course on the history of Asia, Africa, Latin America, or the Ancient World	3-4
History courses at or above the 300 level	12-14
History seminar at the 400 level or above	3-4
(excluding HIST 491 and 493 and Independent Study)	
History course	3-4

Within the College

ENGL 307 New Writing and Editing	3-4
Nine credits chosen from the following courses:	
ENGL 308 Reporter's Practicum	9-14
ENGL 309 Feature and Magazine Writing	3
ENGL 310 Copy Editing and Layout	3
ENGL 407 Advanced Reporting	1-3
ENGL 409 Topics in Journalism	3
ENGL 466 Independent Study	1-6

ELECTIVES

Electives

After required courses are completed, sufficient elective credits must be taken to meet the minimum credit requirement for the degree.

CREDITS TO TOTAL A MINIMUM OF 124

April 30, 1994

To: Judy A. Kennedy, Chair, Academic Planning and Program Evaluation Committee
 From: Kathleen Tierney *Kathleen Tierney*
 RE: Permanent Status for the Earth Science Education Major

The Earth Science Education major was assessed by a subcommittee that I chaired. The other members of the subcommittee were Profs. Gregory Moe, Chemistry and Biochemistry; Robin Morgan, Animal Science/Ag Biochemistry; and David Smith, Life and Health Sciences. In making its evaluation, the subcommittee considered a self-assessment that was provided by Professors Billy Glass and Allan Thompson of Geology; results of questionnaires completed by majors and graduates of the program (although there were only a total of eight responses, too small a number from which to draw conclusions); and material on course enrollments over the past five years, provided by the University's Office of Institutional Research and Planning. The committee also met with Professors Glass and Thompson on April 27 to discuss the goals and accomplishments of Earth Science Education program.

It was the unanimous decision of the committee that the Earth Science Education major is accomplishing its goals and filling a real educational need, and that it therefore ought to be given permanent status within the University. The rationale for that recommendation is outlined below.

The program has established itself, attracted students, and gained recognition from the broader science education community. Since 1986, enrollment in the major has risen steadily. There are now 12 majors, and a total of 18 students have graduated with a major in Earth Science Education. Students do well academically, with grade point averages that are comparable to or better than majors in the various sciences the major spans; a 2.75 GPA is required for admission, which is higher than the requirement for the disciplines included in the major.

The National Association of State Directors of Teacher Education Curricula (NASDTEC), one of the major accrediting agencies in science education, assessed the program in 1990 and determined that the program met its standards. NASDTEC accreditation covers 30 states and the District of Columbia; thus, when students graduate from Delaware with a major in Earth Science Education, they are

certified to teach in a large number of school districts across the U. S. It is very important that newly-trained teachers be geographically mobile, and the fact that the Earth Science Education program has NASDTEC approval is a definite strength.

A market exists for graduates of the major. Graduates of the program find jobs and do well in them. There is a growing need for earth science educators not only within the state of Delaware but also within the region. In the future, school districts will increasingly be looking for teachers who are knowledgeable and certified in this area of specialization. Delaware is currently the only mid-Atlantic institution that provides training in secondary-school earth science education.

The program is cost-effective. Majors in earth science education take the regular courses offered in the disciplines the major encompasses, which include geology, geography, physics, chemistry, and other sciences. Virtually no additional costs are associated with offering the major. Although small compared to many others on campus, the major is filling a demonstrated need at minimal cost.

DEGREE: BACHELOR OF ARTS
MAJOR: EARTH SCIENCE EDUCATION

CURRICULUM

CREDITS*

See page 70 for University and College requirements.

MAJOR REQUIREMENTS

Within the Department	4
or	
GEOL 105 General Geology	4
or	
GEOL 107 General Geology	4
GEOL 106 General Geology	1
GEOL 101 Physical Geography	3
GEOL 203 Mineralogy and Crystallography	4
GEOG 220 Meteorology	3
GEOG 235 Conservation of Natural Resources	4
or	
GEOL 303 Sedimentology	3
GEOL 343 Climatic Geomorphology	4
or	
GEOG 255 Applied Climatology	3
PHYS 133 Introduction to Astronomy	4
PHYS 201 General Physics	12
PHYS 202 General Physics	12
CHEM 103 General Chemistry	4
BISC 195 Biological Evolution	4
MATH 221 Calculus I	4
Three credits from the following:	
GEOL 432 Recent Sedimentary Environments	3
GEOL 460 Field Geology in the Western States	4
External to the College	
MAST 200 Introduction to Marine Studies	3
Professional Studies	
EDST 201 Education and Society	3
EDST 304 Educational Psychology - Social Aspects	4
EDST 305 Educational Psychology - Cognitive Aspects	4
SCEN 491 Teaching Science in Secondary Schools	4
EDST 420 Reading in the Content Area	1
EDDV 400 Student Teaching	4

CREDITS TO TOTAL A MINIMUM OF 124

RECEIVED
UNIVERSITY OF DELAWARE

JAN 05 1995

FACULTY SENATE

M E M O R A N D U M

DATE: September 14, 1994

TO: Mary Richards, Dean
College of Arts and ScienceAnna Ciulla, Program Director
Medical TechnologyFROM: Betty J. Paulanka and Faculty *BJP*
of the College of NursingRE: Relocation of the Medical Technology Program
to a Department in the College of Nursing

In September of 1993, the College of Nursing reorganized and now consists of: 1) a Department of Nursing, inclusive of all nursing programs at the graduate and undergraduate level, and 2) a Division of Special Programs, associated with health education outreach to meet the varied needs of health professionals in Delaware and surrounding states. This new organizational infrastructure provides a foundation for the College of Nursing's interaction with other allied health professionals in order to address current health education needs promoted by healthcare reform and the anticipated needs of healthcare providers in the next century.

Throughout the past year, College administrators and faculty have met with Anna Ciulla, Director of Medical Technology, to explore options for including the Medical Technology Program within the College of Nursing. During a special College faculty workshop in January of 1994, faculty discussed this merger and unanimously agreed in an informal show of hands that it would be a good partnership for this college. During the summer of 1994, Anna Ciulla discussed this merger with her faculty. All were invited to visit the College of Nursing to explore how they might fit physically and philosophically into the College of Nursing. Responses from Med Tech faculty were optimistic that such a merger could benefit each group. Thus, a formal vote on this issue was called during the annual fall College of Nursing faculty meeting. As a result, the Medical Technology Program has been invited to become a separate department within the College of Nursing.

Rationales for creation of a new department, Medical Technology, with the College of Nursing:

1. Better integration of College of Nursing activities with other, non-nursing, healthcare campus programs.
2. Expanded opportunities for interdisciplinary teaching, research, and service among faculty and students.
3. The addition of a "new" non-nursing department into the College to encourage broader and more future-oriented participation in healthcare reform.

The College faculty and administration believe that the inclusion of Med Tech under the Department of Nursing curriculum would be a misfit given the diversity in the goals of each program. An additional department within the College is consistent with our strategic plan that addresses the broader health needs of the citizens of Delaware.

Thus, I am writing to the College of Arts and Science to request serious consideration for this move. As Dean of the College of Nursing, I will be pleased to work with administrators and faculty from the College of Arts and Science and the Medical Technology Program to develop a formal proposal to facilitate this transfer by July 1, 1995.

Thank you for your consideration of this request.

BJP:mar

cc: Melvyn Schiavelli, Provost
Margaret Andersen, Vice Provost

November 9, 1994

MEMORANDUM

TO: Dean Mary Richards
College of Arts and Science

Dean Betty Paulanka
College of Nursing

Joann Browning, President
Arts and Science Faculty Senate

John McLaughlin, President
University Faculty Senate

FROM: Melvyn D. Schiavelli *Mel Schiavelli*
University Provost

SUBJECT: Administrative Relocation of Medical Technology

I endorse the proposal to move the current program in Medical Technology to the College of Nursing. This move does not require additional financial resources, since support for Medical Technology is already included in the University budget. I do foresee a time in the future when Medical Technology would relocate to McDowell Hall. This move will require financial support, but is unlikely to occur until an additional classroom building is available. At the time that such a move is feasible, the Provost's office will seek support for the costs of relocation.

The administrative relocation of Medical Technology has been carefully considered both by the Dean of the College of Nursing and the Dean of the College of Arts and Science in consultation with the Provost's office. Such a move will appropriately locate Medical Technology in a college where greater symbiosis can occur between the current nursing programs and an allied field. As I understand it, the faculty both in the college and in Medical Technology are enthusiastic about such a move. It has my support.

MDS:lp

cc: Anna Ciulla, Program Director, Medical Technology

