

UNIVERSITY FACULTY SENATE

SUMMARY OF AGENDA

April 8, 1985

- I. ADOPTION OF THE AGENDA
- II. APPROVAL OF THE MINUTES: February 4 and March 4, 1985
- III. REMARKS BY PRESIDENT TRABANT and/or PROVOST CAMPBELL
- IV. ANNOUNCEMENTS

- 1. Senate President Kuhlman

ANNOUNCEMENTS FOR CHALLENGE

- 1. Revision of the B.S. in Computer and Information Sciences
 - 2. Revision of the B.A. in Computer and Information Sciences
 - 3. Revision of the minor in Computer Science
 - 4. Revision of the B.A. in Art History

- V. OLD BUSINESS - none

VI. NEW BUSINESS

- A. Recommendation for approval of a change in policies regarding transfer of credits for graduate students:
 - 1. from Continuing Education
 - 2. from another institution
 - B. Recommendation for approval of changes in the structure of the Statistics curriculum:
 - 1. Disestablishment of the B.A. in Statistics
 - 2. Changes in the requirements for the B.S. in Mathematical Sciences: Statistics concentration
 - 3. Change of title, from B.S. in Mathematical Sciences: Statistics concentration to B.S. in Statistics
 - C. Recommendation for approval of permanent status for the Honors Degree
 - D. Introduction of new business





University of Delaware

UNIVERSITY FACULTY SENATE
301 HULLIHEN HALL
NEWARK, DELAWARE 19716

(302) 451-2921

March 29, 1985

TO: All Faculty Members

FROM: Mark W. Huddleston, Vice President *Mark W. Huddleston*
University Faculty Senate

SUBJECT: Regular Faculty Senate Meeting, April 8, 1985

In accordance with section IV, paragraph 6 of the Constitution, the regular meeting of the University Faculty Senate will be held on Monday, April 8, 1985 at 4:00 p.m. in room 110 Memorial Hall.

AGENDA

- I. Adoption of the Agenda.
- II. Approval of the Minutes of the Senate meetings of February 4 and March 4, 1985.
- III. Remarks by President Trabant and/or Provost Campbell.
- IV. Announcements
 1. Senate President Kuhlman

Announcements for Challenge

 1. Revision of the B.S. in Computer and Information Sciences (Attachment 1)
 2. Revision of the B.A. in Computer and Information Sciences (Attachment 2)
 3. Revision of the minor in Computer Science (Attachment 3)
 4. Revision of the B.A. in Art History (Attachment 4)
- V. Old Business - none.

VI. New Business

- A. Recommendations from the Committee on Graduate Studies (J. Raffel, chair) for approval of changes in policies regarding transfer of credits for graduate students. (Attachments 5, 5a, and 5b)
1. RESOLVED, that the Faculty Senate approves the proposed policy, as printed in Attachment 5a of the Agenda, to replace the current graduate policy "PCR-10 Transfer of Credit from Continuing Education," effective September 1985, for currently enrolled and entering graduate students.
 2. RESOLVED, that the Faculty Senate approves the proposed policy, as printed in Attachment 5b of the Agenda, to replace the current graduate policy "PCR-11 Transfer of Credit from Another Institution," effective September 1985 for currently enrolled and entering graduate students.
- B. Recommendations from the Committee on Undergraduate Studies (R. Brown, chair) for approval of changes in the requirements and degree title of the current Statistics curriculum. (Attachments 6, 6a)
1. RESOLVED, that the Faculty Senate approves the disestablishment of the degree of Bachelor of Arts in Statistics, effective immediately.
 2. RESOLVED, that the Faculty Senate approves the changes in requirements for the Bachelor of Science in Mathematical Sciences: Statistics Concentration, as printed in Attachment 6a of the Agenda, effective for students entering September, 1985.
 3. RESOLVED, that the Faculty Senate approves changing the title of the Bachelor of Science in Mathematical Sciences: Statistics Concentration to Bachelor of Science in Statistics, effective for students entering in September, 1985.
- C. Recommendation from the Coordinating Committee on Education (U.C. Toensmeyer, chair), with the concurrence of the Committee on Undergraduate Studies, for permanent status for the Honors Degree. (Attachment 7)
- RESOLVED, that the Faculty Senate recommends that the Honors Degree (Honors Bachelor of Arts; Honors Bachelor of Science; Honors Bachelor of Arts in Liberal Studies; and Honors Bachelor of Music) be granted permanent status.

- D. 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.)

/b

- Attachments:
1. Revision of the B.S. in Computer and Information Sciences
 2. Revision of the B.A. in Computer and Information Sciences
 3. Revision of the minor in Computer Science
 4. Revision of the B.A. in Art History
 5. Graduate Policies: Transfer of Credit
 - a. PCR-10 Transfer of Credit from Continuing Education
 - b. PCR-11 Transfer of Credit from Another Institution
 6. Changes in the Statistics concentration/major
 - a. Revision of the B.S. in Mathematical Sciences: Statistics concentration; Change of degree title to B.S. in Statistics
 7. Honors Degree

COMMITTEE ACTIVITIES REPORT

Academic Ceremonies, Committee on (C. Roy Rylander)

Preliminary bulletins of information regarding Commencement have been prepared for students, faculty and professionals and will be distributed soon.

Adjunct Academic Affairs, Committee on (Steven Sidebotham)

Discussing Field Experience Contract.

Committees, Committee on (Anne Mooney)

1. Making replacement appointments for committee vacancies.
2. Preparing slate of committee appointments for 1985-86.

Education, Coordinating Committee on (U. Carl Toensmeyer)

1. Discussing plus/minus grading system.
2. Discussing termination of M.S. in Applied Sciences.

Educational Innovation and Planning, Committee on (Charles Gilbert)

Reviewing interdepartmental course designation proposal.

Graduate Studies, Committee on (Jeffrey A. Raffel)

1. Discussing collection procedures for semester grades of graduate students in graduate courses.
2. Discussing admissions requirement change in Master of Instruction in Economic Education.
3. Reviewing graduate course approvals.

Research, Committee on (Joanne Ryan)

Reviewing proposed policy on intellectual property.

Student Life, Committee on (Charles D. Marler)

1. Reworking of Resolution VI of Academic Honesty policy.
2. Reviewing proposed Code of Conduct change for Fire Equipment/Arson.
3. Reviewing proposed change in the Student Rights and Responsibilities statement regarding fraternal organizations.

Undergraduate Studies, Committee on (Robert F. Brown)

1. Reviewing proposal to establish a multicultural course requirement.
2. Reviewing communication condition rules.
3. Reviewing reduction of the free drop period to one week.
4. Reviewing exams conducted outside regularly scheduled class hours.
5. Reviewing possible readmission of undergraduates without carrying forward previous credits and grades.
6. Reviewing new courses and course revisions (Spring cycle).

Revision of the
B.S. in Computer and Information Sciences

Attachment 1
March 29, 1985

OLD REQUIREMENTS

NEW REQUIREMENTS

Within the Department:

CIS 240, 241, 440, 470	12 cr.
Technical electives in CIS	18 cr.
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Total CIS	42 cr.

CIS 220, 260, 310, 320, 471	15 cr.
Additional CIS courses at 300 level or above (not CIS 300; CIS 467 requires approval)	9 cr.
	<hr/>
	36 cr.

Related Work

Technical electives from EE, M, ST	9 cr.
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E 215	3 cr.
M 241, 242, 243 (or Mxx)	12 cr.
Laboratory Science	8 cr.
CIS 314 or PHL 351	3 cr.

M 210, 211, 215; ST 205; EE 202	15 cr.
Advisor approved concen- tration in any suitable discipline(s)	12 cr.
E 312 (was 215) or E 410 (deleted)	3 cr.
Added to list of choices: B 207-208; GEO 107-108	
CSC 3xx: Social Impacts of computing	3 cr.

Breadth

Arts and Science groups A, B, C	21 cr.
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Six credits from each group	18 cr.
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COLLEGE: ARTS AND SCIENCE
DEPARTMENT: COMPUTER AND INFORMATION SCIENCES
DEGREE: BACHELOR OF SCIENCE
MAJOR: COMPUTER AND INFORMATION SCIENCES (CIS)

SUGGESTED CURRICULUM	CREDITS	TYPICAL FRESHMAN COMPLETES	TYPICAL SOPHOMORE COMPLETES	TYPICAL JUNIOR COMPLETES	TYPICAL SENIOR COMPLETES
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UNIVERSITY REQUIREMENTS

E 110 Critical Reading and Writing	3	X			
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MAJOR REQUIREMENTS

Within the Department

180 CIS 170 Introduction to Computer Science I	3	X	X	X	X
CIS 240 Discrete Structures of Computer Science	3	X	X	X	X
CIS 270 Introduction to Computer Science II	3	X	X	X	X
CIS 241 Mathematical Foundations for Computation	3	X	X	X	X
CIS 360 Structure of Computers I Computer Architecture	3	X	X	X	X
CIS 361 Structure of Computers II Operating Systems	3	X	X	X	X
CIS 440 Nonnumeric Applications	3	X	X	X	X
CIS 470 Programming Systems I	3	X	X	X	X

Technical Electives

Eighteen credits from the following courses:

CIS 270 Software Practices and Algorithmic Computation	3	X	X	X	X
CIS 400 Foundations of Computer Science I	3				
CIS 401 Foundations of Computer Science II	3				
CIS 410 Introduction to Numerical Analysis and Algorithmic Computation	3				
CIS 411 Algorithmic and Numerical Solution of Differential Equations	3				
CIS 415 Introduction to Mathematical Programming	3				
CIS 420 Simulation of Continuous Systems	3				
CIS 421 Simulation of Discrete Systems	3				
CIS 441 Heuristic Programming	3				
CIS 467 Topics in Computer Science	3				
CIS 471 Programming Systems II	3				
CIS 473 Computer Science Projects	3				
CIS 620 Seminumeric Computer Algorithms	3				
CIS 626 Topics in Computing	3				
CIS 665 Topics in Computer Systems	3				

Nine additional credits at or above 300 level in Comp. Science

(CIS 300 does not count)

(CIS 467 courses must be approved by Dept. Undergrad Comm. Sec.)

CIS 220 DATA STRUCTURES	3		X		
CIS 260 Machine Org. and Microcomputers	3		X		
CIS 310 Logic and Programming	3			X	
CIS 320 Algorithms and Adv. Prog. Techniques	3			X	
CIS 471 Compiler Design	3				X

COLLEGE: ARTS AND SCIENCE
 DEPARTMENT: COMPUTER AND INFORMATION SCIENCES
 DEGREE: BACHELOR OF SCIENCE
 MAJOR: COMPUTER AND INFORMATION SCIENCES (CIS)

SUGGESTED CURRICULUM	CREDITS	TYPICAL FRESHMAN COMPLETES	TYPICAL SOPHOMORE COMPLETES	TYPICAL JUNIOR COMPLETES	TYPICAL SENIOR COMPLETES
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Related WorkWithin the CollegeTechnical Electives

Nine credits from the following courses:

EE 202	Introduction to Digital Systems	3	X	X	X	X
EE 225	Logical Design of Digital Circuits	3				
EE 323	Digital System Design I	3				
EE 423	Digital System Design II	3				
M 302	Ordinary Differential Equations I	3				
M 601	Advanced Calculus - Introduction to Analysis I	3				
M 602	Advanced Calculus - Introduction to Analysis II	3				
M 503	Advanced Calculus for Applications	3				
M 508	Introduction to Complex Variables and Application	3				
M 412	Matrix Operations	3				
M 525	Topics in Number Theory	3				
M 450	Abstract Algebra	3-4				
M 672	Vector Spaces	3				
M 690	Advanced Linear Programming	3				
M 630	Introduction to Probability Theory	3				
M 631	Introduction to Stochastic Processes	3				
M 632	Topics in Applied Probability	3				
M 689	Combinatorics	3				
M 691	Nonlinear Programming	3				
M 692	Dynamic Programming	3				
M 693	Integer Programming and Network Flows	3				
ST 370	Introduction to Statistical Analysis I	3				
ST 371	Introduction to Statistical Analysis II	3				
ST 450	Statistics for the Engineering and Physical Sciences	3				
ST 615	Design and Analysis of Experiments	3				
ST 616	Design and Analysis of Experiments	3				
ST 617	Multivariate Methods	3				
ST 618	Sampling Techniques	3				
ST 620	Nonparametric Statistics	3				
ST 623	Mathematical Methods of Operations Research	3				
xx xxx	Any course at or above the 300-level in Mathematics, Statistics, Computer Science or Electrical Engineering with written approval from an adviser.					

CIS Concentration

Twelve credits in an advisor approved concentration study are encouraged to explore how other subject areas impact and are impacted by computer science. The 12 credits must be in advanced courses where advanced means "has at least one hour of..."

An approval form signed by the advisor is required.

M210	Intro Discrete Mathematics	3	X		
M211	Intro Calculus	3	X		
M215	Analysis of Algorithms	3		X	
ST 205	Elementary Statistics	3		X	

Within the University

EE 202	Intro to Digital Systems	3		X	
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COLLEGE: ARTS AND SCIENCE
DEPARTMENT: COMPUTER AND INFORMATION SCIENCES
DEGREE: BACHELOR OF SCIENCE
MAJOR: COMPUTER AND INFORMATION SCIENCES (CIS)

E312 Written Comm. in Business 3
E410 Technical Writing 3

SUGGESTED CURRICULUM

CREDITS

TYPICAL
FRESHMAN
COMPLETES

TYPICAL
SOPHOMORE
COMPLETES

TYPICAL
JUNIOR
COMPLETES

TYPICAL
SENIOR
COMPLETES

Related Work

E 212	Written Communications in Business	3	X	X	X	X
M 241	Analytic Geometry and Calculus A	4	X	X	X	X
M 242	Analytic Geometry and Calculus B	4	X	X	X	X
M 243	Analytic Geometry and Calculus C	4	X	X	X	X

~~M xxx Mathematics course at or above the 300 level 3-4~~

One of the following sequence of ^{laboratory} science courses:

PS 207 General Physics 4 X

PS 208 General Physics 4 X

OR
C 103 General Chemistry 4 X

C 104 General Chemistry 4 X

OR
~~B xxx Two 100 level Biology courses other than B 100. 6-8~~

B 207 Intro Biology I 4 X

B 208 Intro Biology II 4 X

OR
CIS 314 Analysis 3 X

OR
PHL 331 Mathematical Logic 3 X

CSC 3XX Social Impact of Computing 3

Skill Requirement

Writing: A writing course involving significant writing experience including two papers with a combined minimum of 3000 words which are to be submitted for extended Faculty critique of both composition and content. 3 X or X

Breadth Requirements*

~~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 department.~~ 21 18 X X X X

of the following

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.

OR
GEO 107 General Geology I 4 X
GEO 108 General Geology II 4 X

COLLEGE: ARTS AND SCIENCE
 DEPARTMENT: COMPUTER AND INFORMATION SCIENCES
 DEGREE: BACHELOR OF SCIENCE
 MAJOR: COMPUTER AND INFORMATION SCIENCES (CIS)

<u>SUGGESTED CURRICULUM</u>	<u>CREDITS</u>	<u>TYPICAL FRESHMAN COMPLETES</u>	<u>TYPICAL SOPHOMORE COMPLETES</u>	<u>TYPICAL JUNIOR COMPLETES</u>	<u>TYPICAL SENIOR COMPLETES</u>
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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	X	X	X	X
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*A course may be applied both towards the major requirement and a breadth requirement, but credits are counted
 only once towards the total credits for graduation.



Revision of the
B.A. in Computer and Information Sciences

Attachment 2
March 29, 1985

OLD REQUIREMENTS

NEW REQUIREMENTS

Within the Department

CIS 240, 241, 360, 470 12 cr.
CIS credits at or above 12 cr.
400 level

CIS 220, 260 6 cr.
... 200 level 15 cr.
(approved by advisor;
not CIS 209 or 300)

Within the College

M210, 215 6 cr.

COLLEGE: ARTS AND SCIENCES
DEPARTMENT: COMPUTER AND INFORMATION SCIENCES
DEGREE: BACHELOR OF ARTS
MAJOR: COMPUTER AND INFORMATION SCIENCES (CIA)

<u>SUGGESTED CURRICULUM</u>	<u>CREDITS</u>	<u>TYPICAL FRESHMAN COMPLETES</u>	<u>TYPICAL SOPHOMORE COMPLETES</u>	<u>TYPICAL JUNIOR COMPLETES</u>	<u>TYPICAL SENIOR COMPLETES</u>
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UNIVERSITY REQUIREMENTS

E 110 Critical Reading and Writing	3	X			
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BA - COLLEGE REQUIREMENTS

Skill Requirements

Writing: A writing course involving significant writing experience including two papers with a combined minimum of 3000 words which are to be submitted for extended faculty critique of both composition and content. 3

<u>Foreign Language:</u> Completion of the intermediate-level course in a given language (112) or satisfactory performance on a placement test in the language of the student's choice.	0-12	X	X	X	X
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Mathematics:

M 114 Elementary Mathematics and Statistics	3	X			
or					
M 115 Pre-Calculus	3				
or					
Performing at a satisfactory level on a placement test.					

Breadth Requirements*

<u>Group A.</u> Understanding and appreciation of the creative arts and humanities. Twelve credits representing at least two departments.	12	X	X	X	X
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<u>Group B.</u> The study of culture and institutions over time. Twelve credits representing at least two departments.	12	X	X	X	X
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<u>Group C.</u> Empirically based study of human beings and their environment. Twelve credits representing at least two departments.	12	X	X	X	X
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COLLEGE: ARTS AND SCIENCE
 DEPARTMENT: COMPUTER AND INFORMATION SCIENCES
 DEGREE: BACHELOR OF ARTS
 MAJOR: COMPUTER AND INFORMATION SCIENCES (CIA)

SUGGESTED CURRICULUM	CREDITS	TYPICAL FRESHMAN COMPLETES	TYPICAL SOPHOMORE COMPLETES	TYPICAL JUNIOR COMPLETES	TYPICAL SENIOR COMPLETES
Group D. The study of natural phenomena through experiment and analysis. A minimum of thirteen credits representing at least two departments including a minimum of one course with an associated laboratory.	13	X	X	X	X

MAJOR REQUIREMENTS

Within the Department

CIS 120 Introduction to Computer Science I	3	X	X	X	X
CIS 121 Introduction to Computer Science II	3	X	X	X	X
CIS 240 Discrete Structures of Computer Science	3	X	X	X	X
CIS 241 Mathematical Foundations for Computation	3	X	X	X	X
CIS 360 Structure of Computers I	3	X	X	X	X
CIS 470 Programming Systems I	3	X	X	X	X
CIS xxx ^{Fifteen} credits of Computer Science at or above the 400-level. <i>approved by</i>	<i>15</i>	✓	X	X	X

*Student's advisor
 (CIS 200, CIS 300 do
 not count)*

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

*A course may be applied both towards the major requirement and a breadth requirement, but credits are counted only once towards the total credits for graduation.

CIS 200	Data Structures	3	X
CIS 260	Machine Org. and microcomputers	3	X

Within the college

M 210	Intro Discrete Math	3	X
M 215	Analysis of Algorithms	3	X

Revision of the
Minor in Computer and Information Science

Attachment 3
March 29, 1985

Current Minor requirements:

CIS 170 - Intro to CS I
CIS 171 - Intro to CS II
CIS 440 - Data Structures
6 additional credits at 300 level or above (CIS 300 does not
count) approved by advisor

Proposed Minor requirements:

CIS 180 - Intro CS I
CIS 181 - Intro CS II
CIS 220 - Data Structures
6 additional credits at 200 level or above (not counting CIS 220
or CIS 300) approved by advisor

UNIVERSITY OF DELAWARE
NEWARK, DELAWARE
~~19716~~
19716

COLLEGE OF ARTS & SCIENCE
DEPARTMENT OF ART HISTORY
PHONE 302-~~231-XXXX~~ 451-8415

MEMORANDUM

TO: Helen Gouldner, Dean, College of Arts & Science
FROM: Damie Stillman, Chairman, Department of Art History
DATE: October 22, 1984
RE: Proposed Changes in Requirements for an Undergraduate Major
in Art History.

T. Merrill
→ *Educational*
Affairs.
At

After careful consideration by the faculty and consultation with the Undergraduate Student Advisory Committee, the Department of Art History would like to propose the following changes in the requirements for the major:

The number and specific nature of the required courses in art history will remain the same, but we would like to require that all art history majors take at least one seminar course in art history. It is our intention to offer at least one exclusively undergraduate seminar each semester, in addition to the substantial number of 400/600 level courses that we already offer each term. As it is, many art history undergraduate majors graduate without having any advanced work beyond that expected in a lecture course, and we all feel that this experience will be very valuable for all of our majors.

In addition, although we would retain the current fifteen credits of related work, we would like to specify further the nature of that work. As it is now, students may take those fifteen credits from any course in any of the following: American studies, anthropology, studio art, theatre, English, history, languages and literature, music, and philosophy. We would like to require that three of those fifteen credits consist of English 202 (Biblical and Classical Literature) and three consist of a history course to be approved by the student's advisor. The remaining nine credits can be chosen from any course in the areas listed above, though we will recommend the following: a second history course, a studio art course, and a course in a foreign language at or above the 200 level (i.e., a literature course).

We hope that it will be possible to introduce these new requirements beginning in September, 1985. Please let me know if there are any questions about the proposal, and I will be glad to discuss them with you and/or the Educational Affairs Committee.

amc
Enclosures

OLD REQUIREMENTS

NEW REQUIREMENTS

Within the Department

ARH 401	3 cr.	ARH 401 (now specifically required in the junior year)	
ARH xxx	9 cr.	ARH xxx	6 cr.
		ARH 400 level seminar course	3 cr.

Within the College

Related Work

Fifteen credits of related work from the following areas: American Studies, Anthropology, Studio Art, Theatre, English, History, Languages and Literature, Music and Philosophy (except elementary or technical). With the advisor's approval, work in education may be elected.

E 202	3 cr.
Any 200 or 300 level History course approved by the student's department advisor	3 cr.

The remaining nine credits of related work can be chosen, with the advisor's approval, from appropriate courses in the following areas: American Studies, Anthropology, Studio Art, Education, English, History, Languages and Literature, Music, Philosophy and Theatre. We recommend a second History course, a Studio Art course, and a foreign language course at or above the 200 level (i.e., a literature course).

COLLEGE: ARTS AND SCIENCE
 DEPARTMENT: ART HISTORY
 DEGREE: BACHELOR OF ARTS
 MAJOR: ART HISTORY (ARH)

<u>SUGGESTED CURRICULUM</u>	<u>CREDITS</u>	<u>TYPICAL FRESHMAN COMPLETES</u>	<u>TYPICAL SOPHOMORE COMPLETES</u>	<u>TYPICAL JUNIOR COMPLETES</u>	<u>TYPICAL SENIOR COMPLETES</u>
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UNIVERSITY REQUIREMENTS

E 110 Critical Reading and Writing	3	X			
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BA - COLLEGE REQUIREMENTS

Skill Requirements

Writing: A writing course involving significant writing experience including two papers with a combined minimum of 3000 words which are to be submitted for extended faculty critique of both composition and content.	3			X or	X
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Foreign Language: Completion of the intermediate-level course in a given language (112) or satisfactory performance on a placement test in the language of the student's choice.	0-12	X	X	X	X
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Mathematics:

M 114 Elementary Mathematics and Statistics	3	X			
or					
M 115 Pre-Calculus	3				
or					
Performing at a satisfactory level on a placement test.					

Breadth Requirements*

Group A. Understanding and appreciation of the creative arts and humanities. Twelve credits representing at least two departments.	12	X	X	X	X
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Group B. The study of culture and institutions over time. Twelve credits representing at least two departments.	12	X	X	X	X
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Group C. Empirically based study of human beings and their environment. Twelve credits representing at least two departments.	12	X	X	X	X
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COLLEGE: ARTS AND SCIENCE
 DEPARTMENT: ART HISTORY
 DEGREE: BACHELOR OF ARTS
 MAJOR: ART HISTORY (ARH)

<u>SUGGESTED CURRICULUM</u>	<u>CREDITS</u>	<u>TYPICAL FRESHMAN COMPLETES</u>	<u>TYPICAL SOPHOMORE COMPLETES</u>	<u>TYPICAL JUNIOR COMPLETES</u>	<u>TYPICAL SENIOR COMPLETES</u>
Group O. The study of natural phenomena through experiment and analysis. A minimum of thirteen credits representing at least two departments including a minimum of one course with an associated laboratory.	13	X	X	X	X

MAJOR REQUIREMENTS

Within the Department

ARH 210 Art of the Middle Ages	3	X	X	X	X
ARH 315 Modern Art I: Nineteenth Century	3	X	X	X	X
ARH 316 Modern Art II: Twentieth Century	3	X	X	X	X
ARH 401 Literature, Theory and Methods of Art History	3	X	X	X	X
ARH 207 Origins of Art	3	X	X	X	X
or					
ARH 208 Greek and Roman Art	3				
ARH 211 Early Renaissance Art	3	X	X	X	X
or					
ARH 212 High Renaissance and Mannerist Art	3				
ARH 214 Baroque Art	3	X	X	X	X
or					
ARH 215 Art of the Eighteenth Century	3				
ARH xxx Art History courses. Only one 100-level course may be taken.	6	X	X	X	X

ONE 400-level SEMINAR COURSE Within the College

Fifteen credits of related work, from the following areas: American Studies, Anthropology, Studio Art, Theatre, English, History, Languages and Literature, Music and Philosophy (except elementary or technical). With the advisor's approval, work in education may be elected.	15	X	X	X	X
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REQUIRED:

English 202 Biblical and Classical Literature	3	x	x	x	x
Any 200 or 300 level History course approved by the department advisor	3	x	x	x	x

The remaining nine credits of related work can be chosen, with the advisor's approval, from appropriate courses in the following areas: American Studies, Anthropology, Studio Art, Education, English, History, Languages and Literature, Music, Philosophy, and Theatre. We recommend a second History course, a Studio Art course, and a foreign language course at or above the 200 level (i.e., a literature course).

COLLEGE: ARTS AND SCIENCE
 DEPARTMENT: ART HISTORY
 DEGREE: BACHELOR OF ARTS
 MAJOR: ART HISTORY (ARH)

<u>SUGGESTED CURRICULUM</u>	<u>CREDITS</u>	TYPICAL FRESHMAN <u>COMPLETES</u>	TYPICAL SOPHOMORE <u>COMPLETES</u>	TYPICAL JUNIOR <u>COMPLETES</u>	TYPICAL SENIOR <u>COMPLETES</u>
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ELECTIVES

Electives

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

X	X	X	X
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CREDITS TO TOTAL A MINIMUM OF

124

*A course may be applied both towards the major requirement and a breadth requirement, but credits are counted only once towards the total credits for graduation.



University of Delaware

Attachment 5
March 29, 1985

COLLEGE OF URBAN AFFAIRS AND PUBLIC POLICY
NEWARK, DELAWARE 19716

(302) 451-2394
451-2413
451-8405

January 30, 1985

MEMORANDUM

To: David M. Kuhlman, President
University Faculty Senate

From: Jeffrey A. Raffel, Chair *JARaffel*
Committee on Graduate Studies

Re: Proposed Changes in Policies Regarding Transfer
of Credits for Graduate Students

The Committee on Graduate Studies has approved changes in two current policies that govern transfer of credit to the academic record of a graduate student.

On the Transfer of Credit from Continuing Education the principal changes are: to allow transfer of grades and quality points as well as course credits (recognizing that students in CEND status take regular University courses and thus their grades should count in their cumulative index); to allow transfer of courses from the 500 to 800 level (consistent with the current definitions of graduate level courses); and to eliminate the requirement that courses may be transferred to the permanent record only after completion of 9 credits as a matriculated student (no reason for this requirement is apparent).

On the Transfer of Credit from Another Institution the principal changes are: to eliminate the requirement that courses may be transferred only after completion of 9 credits as a matriculated student (as above); and to eliminate the requirement that U. of D. course equivalents be listed on the transfer form (~~since~~ the significant issue here is the appropriateness of the courses rather than whether UD equivalents exist).

Both policies have been restated to allow transfer of credits toward the doctoral degree as well as the master's degree.

The current and proposed policies are set out on the attachment. The Committee on Graduate Studies submits these changes to the Senate for review and approval.

lil
Enclosure

PCR-10-TRANSFER OF CREDIT FROM CONTINUING EDUCATION

CURRENT POLICY

Credits earned while a student is classified CEND (Continuing Education Non-degree) do not count as graduate credits. For such credits to count, the student who has been admitted to Graduate Studies must initiate with the appropriate department a request for transfer of such credits ~~following the completion of at least nine hours of graduate credit.~~ This form must be accompanied by a ~~Continuing Education transcript~~ when it is sent to the Office of Graduate Studies. Graduate credit can be given provided that: (a) ~~the course was at the 800 level or, on approval of the University Coordinator for Graduate Studies, at the 600 level;~~ (b) ~~the student received a grade of "A" or "B";~~ (c) the course was taken within ~~the five year time limit for expiration of credits;~~ (d) the course was approved by the student's advisor and the chairperson of the student's major department; and (e) the course was in accord with the specific program of the student as approved by the ~~Committee on Graduate Studies.~~ The credits but not the grades or the quality points are transferable. A maximum of nine hours may be transferred.

PROPOSED POLICY

Credits earned while a student is classified CEND (Continuing Education Non-degree) do not count as graduate credits toward a degree. For such credits to count, the student who has been admitted to Graduate Studies must initiate with the appropriate department a request for transfer of such credits. This form must be accompanied by a transcript when it is sent to the Office of Graduate Studies. Graduate credit can be given provided that: (a) the course was at the 600 through 800 level. Courses at the 500 level may be transferred if meeting the University policy definition of 500 level courses; (b) the course was taken within the time limit appropriate for the degree; (c) the course was approved by the student's advisor and the chairperson of the student's major department; and (d) the course was in accord with the specific degree program of the student as specified by the unit's Graduate Program Policy Statement. A maximum of 9 of the required credits for the degree sought may be transferred. Grades and quality points shall transfer.

PCR-11 TRANSFER OF CREDIT FROM ANOTHER INSTITUTION

CURRENT POLICY

Graduate credit earned at another institution will be evaluated ~~only after the completion of at least nine hours at the University of Delaware and at the written request of the student. Such a request should be directed to the student's major department.~~ A maximum of nine credit hours will be accepted ~~toward the master's degree,~~ provided that such credits (a) were earned with a grade of "A" or "B", (b) are approved by the student's advisor and the chairperson of the student's major department, (c) are in accord with the specific program of the student ~~as approved by the Committee on Graduate Studies,~~ and (d) have not expired. The credits, but not the grades or quality-point equivalents, are transferred to the University of Delaware graduate records. Graduate courses counted toward a degree received elsewhere may not be used.

The Department of Art may transfer up to 18 hours of graduate credit from other accredited colleges, universities, and profession schools toward fulfilling the 60 credit hour Master of Fine Arts degree offered by the Department.

~~The University of Delaware course equivalents shall appear on the request for transfer of credit form.~~

PROPOSED POLICY

Graduate credit earned at another institution will be evaluated at the written request of the student's major department. A maximum of 9 credits required for the degree will be accepted, provided that such credits (a) were earned with a grade of "A" or "B", (b) are approved by the student's advisor and the chairperson of the student's major department, (c) are in accord with the specific degree program of the student specified by the unit's Graduate Program Policy Statement and (d) have not expired. The credits, ~~but not the grades or quality-point equivalents,~~ are transferred to the University of Delaware graduate records. Graduate courses counted toward a degree received elsewhere may not be used.

The Department of Art may transfer up to 18 hours of graduate credit from other accredited colleges, universities, and professional schools toward fulfilling the 60 credit hour Master of Fine Arts degree offered by the Department.

Changes in STATISTICS major requirements.

Three program changes are recommended: (1) The BA in Statistics (SBA) be deleted; (2) The BS in Mathematical Sciences-Statistics be listed against the name Statistics ~~only~~ (SBS rather than MTS); and (3) Several course requirements be changed for the BS in Statistics. The first two changes are discussed together, followed by a discussion of the third.

A careful review of the Undergraduate Academic Programs and Policies Catalogs reveals that the '76-'78 catalog describes programs in Statistics and Computer Science (a BS in Statistics and Computer Science with code SCS, a BA in Statistics with code SBA and a BA in Computer Science with code CIA), with the requirements listed under the Department of Statistics and Computer Science. These same programs are still described in the '78-'80 catalog; however the BS in SCS and BA in CIA are listed under the new Department of Computer and Information Sciences, while the BA in SBA is described under the new Department of Mathematical Sciences (which then contained the Statistics faculty). There were not immediate changes in the degree programs when the faculties were reorganized. By the '80-'81 catalog there were degree codes for a BA in Computer and Information Sciences (CIA), a BS in Computer and Information Sciences (CIS), a BA in Statistics (SBA), and a BS in Statistics (SBS). To a large extent these codes reflected, at least from the point of view of Statistics, the necessity to sort the students who had been in the old BS program (SCS). The Department of Mathematical Sciences began a thorough review of all the degree programs which were now under its direction. Since there had been two options in the BS Mathematics program, one emphasizing Physics and one emphasizing the now divorced marriage of Statistics and Computer Science, it was clear that revision would be required. In an attempt to create unity in the new Department of Mathematical Sciences only one BA program was devised (in Mathematical Sciences, using the old Mathematics code MTA), and only one BS program (again in Mathematical Sciences, using the old Mathematics code MTS). However, the new BS requirements had four "Options", which (although they were unnamed) clearly corresponded to "Math with a Physics emphasis", "Math with a Computer Science emphasis", "Statistics", and "Math with an Operations Research emphasis" (the last a natural outgrowth of the Operations Research Program begun at the graduate level by faculty who were formerly in Statistics and in Mathematics). For reasons that are not evident now the "programs" in Statistics were not deleted (that is, the degree codes SBA and SBS were left in the system). Certainly there was a concern about the visibility of the Statistics faculty. Indeed, it is now evident that there are students who select the University of Delaware for their undergraduate education because we have

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(one of the few) an undergraduate Statistics programs. We therefore wish to return this program to its own degree code, thus maintaining the listing of Statistics as a major in the various publications received by prospective students. Since the BA program does not have a separate Statistics option the SBA code may be deleted (the last known listing of requirements was that in the '80-'81 Catalog).

It became apparent to the members of the faculty closely associated with the training of statisticians at the undergraduate level that the current program has problems and deficiencies. The most serious problem appears to be *that* the sequence M630 (nee ST601)- ST602 is too advanced for most undergraduates. Also the program includes ST370-371, M630-ST602, or four courses which are of a theoretical nature. Further, the statistics projects sequence ST473-474 appears to be more suited to degree with distinction candidates or special situations where an undergraduate research project may develop between a student and a faculty member, rather than a majority of potential majors desiring a statistics option. On the other hand the program has, what we consider, a serious omission in that it does not explore to any depth a variety of statistical methods as they relate to data analysis. The proposed modification seeks to adjust for this deficiency as well as modify the emphasis on theory. M210 is added as a prerequisite for the modified course ST205, which replaces the ineffectual ST100. The new courses ST418 and ST420 are new requirements along with ST611 (replacing the projects courses ST473-473 and theory courses M630-ST602), while the student is offered an option between the formerly required ST616 and either ST617 or ST 618. The program is realistic since the number of Statistics majors has increased to the point that such courses can be expected to have the necessary enrollment.

Course Changes:

CIS 170 = 180

CIS 171 = 181

E 215 is being revised

Revision and Degree Title Change:
B.S in Mathematical Sciences, changed to
B.S. in Statistics (administered by Mathematical Sciences)

OLD REQUIREMENTS

NEW REQUIREMENTS

Within the Department

M 503 or M 601	6 cr.
M 602	
ST 205	4 cr.
ST 473	
ST 474	9 cr.
ST 602	
ST 616	3 cr.
<hr/>	
Total from Dept.	58 cr.

M 210	3 cr.
M 503 or	3 or 6 cr.
M 601 and M 602	
ST 100	3 cr.
ST 418	
ST 420	9 cr.
ST 611	
(Delete)	
3 credits from:	3 cr.
ST 617 or ST 618	
Total from Dept.	59 or 62 cr.

Related Work

A 15 credit area of application
outside the department.

COLLEGE: ARTS AND SCIENCE
 DEPARTMENT: MATHEMATICAL SCIENCES
 DEGREE: BACHELOR OF SCIENCE
 MAJOR: ~~MATHEMATICAL SCIENCES~~
 CONCENTRATION: STATISTICS (~~MTS/STATISTICS~~) (SBS)

Page

SUGGESTED CURRICULUM

CREDITS
 TYPICAL FRESHMAN COMPLETES
 TYPICAL SOPHOMORE COMPLETES
 TYPICAL JUNIOR COMPLETES
 TYPICAL SENIOR COMPLETES

UNIVERSITY REQUIREMENTS

E 110 Critical Reading and Writing

3 X

MAJOR REQUIREMENTS

Within the Department

M	210	Introductory Discrete Math	3	X				
M	241	Analytic Geometry and Calculus A	4	X				
M	242	Analytic Geometry and Calculus B	4	X				
M	243	Analytic Geometry and Calculus C	4					
M	268	Introduction to Computation	1		X			
M	349	Elements of Linear Systems	3			X		
M	302	Ordinary Differential Equations I	3			X		
M	260	Concepts of Analysis	3			X		
M	426	Introduction to Numerical Analysis and Algorithmic Computation	3			X		
M	503	Advanced Calculus for Applications	3				X	X
or							X	X
M	601	Advanced Calculus - Introduction to Analysis I	3					
AND M	602	Advanced Calculus - Introduction to Analysis II	3					
M	630	Introduction to Probability Theory	3				X	X
ST	100	Statistics: Fact and Fiction	3					
ST	370	Introduction to Statistical Analysis	3	X				
ST	371	Introduction to Statistical Analysis II	3			X	X	
ST	473	Statistics Projects	3			X	X	
ST	474	Statistics Projects	3				X	X
ST	602	Mathematical Statistics	3				X	X
ST	615	Design and Analysis of Experiments	3				X	X
ST	616	Design and Analysis of Experiments	3				X	X
ST	205	Statistical Methods	4	X				
ST	418	Samples and Surveys	3				X	X
ST	420	Data Analysis and Nonparametric Statistics	3				X	X
ST	611	Regression Analysis	3				X	X
Three credits from the following:								
ST	616	Design and Analysis of Experiments II	3					X
ST	617	Multivariate Methods	3					X
ST	618	Sampling Techniques	3					X

COLLEGE: ARTS AND SCIENCE
 DEPARTMENT: MATHEMATICAL SCIENCES
 DEGREE: BACHELOR OF SCIENCE
 MAJOR: ~~MATHEMATICAL SCIENCES~~
 CONCENTRATION: STATISTICS (MIS/STATISTICS) (SBS)

<u>SUGGESTED CURRICULUM</u>	<u>CREDITS</u>	<u>TYPICAL FRESHMAN COMPLETES</u>	<u>TYPICAL SOPHOMORE COMPLETES</u>	<u>TYPICAL JUNIOR COMPLETES</u>	<u>TYPICAL SENIOR COMPLETES</u>
<u>Within the College</u>					
<u>Related Work</u>					
CIS 105 General Computer Science	3	X	X		
or					
CIS 106 General Computer Science for Engineers	3				
or 180					
CIS 170 Introduction to Computer Science I	3				
and 181					
CIS 171 Introduction to Computer Science II	3				
E 312 215 Written Communications in Business	3			X	X
xx xxx Two semester sequence of laboratory science.	8	X	X		
<u>Skill Requirements</u>					
<u>Writing:</u> A writing course involving significant writing experience including two papers with a combined minimum of 3000 words which are to be submitted for extended faculty critique of both composition and content.	3			X or	X
<u>Foreign Language:</u> Completion of the intermediate-level course in a given language (112) or satisfactory performance on a placement test in the language of the student's choice.	0-12	X	X	X	X
<u>Breadth Requirements*</u>					
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 department.	21	X	X	X	X
<u>Group A.</u> Understanding and appreciation of the creative arts and humanities.					
<u>Group B.</u> The study of culture and institutions over time.					
<u>Group C.</u> Empirically based study of human beings and their environment.					

COLLEGE: ARTS AND SCIENCE
 DEPARTMENT: MATHEMATICAL SCIENCES
 DEGREE: BACHELOR OF SCIENCE
 MAJOR: ~~MATHEMATICAL SCIENCES~~
 CONCENTRATION: STATISTICS (~~MATHEMATICS~~) (SBS)

<u>SUGGESTED CURRICULUM</u>	<u>CREDITS</u>	<u>TYPICAL FRESHMAN COMPLETES</u>	<u>TYPICAL SOPHOMORE COMPLETES</u>	<u>TYPICAL JUNIOR COMPLETES</u>	<u>TYPICAL SENIOR COMPLETES</u>
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ELECTIVES

Electives

X X X X

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

CREDITS TO TOTAL A MINIMUM OF

128

*A course may be applied both towards the major requirement and a breadth requirement, but credits are counted only once towards the total credits for graduation.

NOTE: This program requires a fifteen credit area of application outside the department. Students should check with the adviser to develop it.

(Statement should appear under "related work," p. 2.)

HONORS DEGREE

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I. SEQUENCE OF EVENTS IN THE HONORS PROGRAM

A. Early Admission/Freshman Honors Program

Provisional Approval

University Senate: 2/3/75 approved for 3 years

Final Approval

University Senate: 1/8/79 discussion
2/5/79 approved, with letter of understanding

Board of Trustees: 5/31/79 approved move to Newark campus;
eliminated extra charges

B. Honors Program

Provisional Approval

University Senate: 2/7/77 report of the Study Committee on Honors
endorsed in principle; review of Committee
recommendations requested

5/2/77 received review; endorsed report and
requested in-depth evaluation in 3 years

10/2/78 interim report by Prof. Harward,
Director, Honors Program

1/5/81 evaluation received; Senate approved
continued support, pending final approval
of the Honors Degree

C. Honors Degree

Provisional Approval

Undergraduate
Studies Committee: 3/15/79

Coordinating
Committee: 4/13/79

University Senate: 5/7/79

Final Approval

Undergraduate
Studies Committee: 2/85

II. HONORS DEGREE: RATIONALE AND DESCRIPTION
 (Excerpts from statement provided to the
 University Faculty Senate by the Honors Program, April 1979)

Honors degrees are structured within colleges and departments of the University. The Honors Program serves to advise both students and academic units in the development and maintenance of Honors degree options. Each department and each college determines whether they will have an Honors degree; if they do, then there is some complementarity among procedures and agreement as to the purposes to be filled. Whether honors courses or other Honors Program sponsored activities are designed as part of an Honors degree is determined by the unit offering the degree in consideration of the advice of the Honors Program.

Honors courses and other activities will remain open to the large group of qualified undergraduates at Delaware. Honors degree options will be selected by some; but clearly not all of those pursuing an interest in honors will be pursuing an Honors degree. The objectives for honors stated earlier are met by maintaining an openness to opportunities by all who qualify or are interested in pursuing them. Honors courses and program activities will continue to be the greatest part of the honors effort at Delaware. Academic units will provide the avenue for Honors degrees to the smaller number desiring the special obligations and special benefits of a degree option.

. . . The Specific Purposes of an Honors Degree are: 1) formalizing the identification of outstanding students; 2) formalizing, where needed, the advisement of such students; 3) assuring the provision of the maximum number and variety of experiences for them; 4) specifying the expectation of breadth or knowledge by using the tutorial; 5) specifying the expectation of depth of knowledge by completion of an honors project in discipline and a comprehensive examination; 6) recognizing formally the students' achievement and 7) granting to the students perquisites of the special accomplishments. An Honors degree focuses the many efforts of units at the University which pursue these aims in some form, as well as providing special advantages not available at Delaware without Honors support.

Admission to Honors degree candidacy is initiated by student application. No student shall be admitted to an Honors degree route within a unit until the sophomore year. At least one year of university work should be accomplished prior to decision to admit. It is also unlikely that any student ending his/her junior year and not already having met some of the specific requirements for an Honors degree in the unit would be encouraged.

. . . Honors Program Responsibilities: The Honors Program offices will help units design Honors degree options, administer Honors degree tutorial options, ensure thorough advising, provide assistance for undergraduate research related to Honors degrees and monitor the extent of use and quality of the programs of study.

The University Honors Program office coordinates the requests made by students and faculty advisors, informs them of possibilities for support and experiences not usually available or readily apparent, and encourages and assists the development of Honors degree options within units.

Benefits to Honors Degree Students:

- Students admitted to Honors degree candidacy are given priority for Honors Program support for their undergraduate research or thesis project.
- Students admitted to Honors degree candidacy have the support of their major unit and the acknowledged recognition from that unit that the Honors degree represents the highest quality undergraduate experience in that unit.
- Students admitted to Honors degree candidacy are encouraged to take special research problems and independent study at early stages in their careers.
- The Honors Program supports the offering of special honors sections of regular courses and interdisciplinary courses which are open to all qualified students, but students admitted to Honors degree candidacy are given priority for registration.
- Upon completion, the designation of the Honors BA, or Honors BS or Honors BALS in a college of the University will be added to the student's diploma and transcripts to recognize his/her achievements.

III. RESOLUTION TO ESTABLISH THE HONORS BACHELOR'S DEGREE
WAS PASSED BY THE UNIVERSITY SENATE ON MAY 7, 1979

The Honors Bachelor's Degree may be awarded by participating academic departments to students who successfully complete the following:

1. Such courses, total course credits and course distribution requirements as are specified by the University, individual colleges and departments. At least 30 credits must be taken in Honors courses as described below under 3. At least 60 of the total credits accumulated for graduation shall be at the 300 level or above. A cumulative grade-point index of 3.40 or better must be achieved; the index may be set to higher levels by individual academic departments.
2. The requirements for one or more of the currently approved major programs, as specified by the individual academic departments.
3. At least 30 credit hours of designated Honors courses or Honors sections of courses. Of these credits,
 - a. at least 12 credits shall be earned in courses in the major department (or in other courses specified by the major department);
 - b. at least 12 credits shall be earned in elective courses not specified under (a) above;
 - c. six (6) credits shall be earned in Honors Tutorial experience at the Sophomore level or above. Three (3) Tutorial credits shall involve Humanities and Arts, and three (3) shall involve Natural and Social Science. Tutorial experience shall involve both individual and group interaction between student and tutor;
 - d. at least 12 of the Honors credits shall be earned at the 300 level or higher.
4. Six (6) credits of Senior thesis or project (via U401/402) embodying independent research and/or creative scholarly activity. The thesis/project shall show elements of creativity, synthesis, independent thinking and judgment. An oral presentation and discussion of the thesis/project will be held; it will be administered jointly by the major department and the Honors Program office.
5. A written examination in the major subject, designed to integrate material contained in the individual student's major program.

IV. DEPARTMENTS OFFERING HONORS DEGREE
1985

Anthropology
Art History
B.A.L.S.
Biology
Educational Studies
English
History
Philosophy
Physics
Political Science
Psychology

UNIVERSITY OF DELAWARE
NEWARK, DELAWARE
18718

COLLEGE OF ARTS & SCIENCE
DEPARTMENT OF ENGLISH
304 MEMORIAL HALL
PHONE 302 431 2381

June 11, 1984

Leon Campbell, Provost
Hullihen Hall

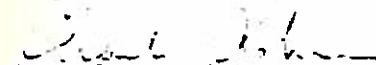
Dear Provost Campbell:

We have now completed our review of the undergraduate degree program in University Honors, and we recommend to you and to the Faculty Senate that the program become a regular offering in the University curriculum.

In the course of our review, we interviewed the faculty members who have directed Honors theses, talked with Mr. Gary Reichard, and invited the graduates of the program to send us their opinions. The members of this committee have all been involved in the Honors Program, and we could thus bring our own experience to bear. We found that the people directly involved with the program were enthusiastic about it and believed it should be continued and expanded.

Inevitably some criticisms were voiced. In particular, some members of the University community were concerned that so few students have taken advantage of the program. While recognizing that many students will profit from an Honors degree program without actually taking an Honors degree, some members of this committee were concerned about the relationship between the resources expended and the degrees conferred. The committee, therefore, should like to make two recommendations for consideration by you and by the Faculty Senate: (1) that increased efforts be made to publicize the program both within and without the University; (2) that more departments develop Honors programs, and that small departments with staffing problems be encouraged to consider alternative formats such as that developed by the Physics Department.

Sincerely yours,


Charles Bohner, English
For the committee

John S. Crawford, Art History
Diane Hersen, Life and Health Sciences
James Magee, Political Science
Harold White, Chemistry

cc: University Faculty Senate
Professor Latham, Chairman, Undergraduate Studies Committee
Professor Reichard

UNIVERSITY OF DELAWARE INTER-DEPARTMENTAL

Memorandum



November 27, 1984

TO: Robert Brown, Chairperson
Undergraduate Studies Committee
University Faculty Senate

FROM: Gary W. Reichard/Director *GR*
University Honors Program

SUBJECT: UHP Response to Review Committee on the Honors Degree

The Honors Program appreciates the confidence shown by the review committee in the value of the Honors Degree as it is presently defined. We also agree that, for the benefit both of individual students and of the University community, a larger number of students ideally should receive the degree each year. (The average number of HD's currently awarded per year is about five.) We do not feel, however, that the review committee has presented a full description of the reasons why more degrees are not presently awarded; and we would like, therefore, to contribute further information for consideration by the Undergraduate Studies Committee.

First, we wish to clarify an ambiguity raised by the phrasing of the review committee's letter--that is, the existence of concern about "the relationship between the resources expended and the degrees conferred." As Mr. DiMartile pointed out in an earlier meeting of the Undergraduate Studies Committee, it is not accurate to speak of "resources expended." Since the existence and funding of the University Honors Program itself is not under consideration, confirmation by the Faculty Senate of the Honors Degree would cost no additional resources. (All of the elements in the Honors Degree route are already in place as part of the Honors Program's mission, which was confirmed by the University Faculty Senate in May 1979. Over 1500 students are enrolled in Honors courses each semester and over 300 students are served each year by the Undergraduate Research Program.)

Second, we must comment on the review committee's recommendation that "increased efforts be made to publicize the program both within and without the University." Concerning "publicity" outside the University, we believe that the committee was not fully aware of some of the practices currently followed by the UHP in its recruitment efforts. The UHP Assistant Director for Admissions would be able to supply the Committee with materials and inform them of the methods used to recruit between 200 and 250 freshmen annually to the freshman year of UHP. All of these materials as well as personal contacts with prospective students stress the four-year nature of the undergraduate honors experience, including the option of earning the Honors Degree in eleven majors and the Degree With Distinction in all majors. The students recruited into the



University through the Honors "door" do expect to be able to earn the HD or the DD. Some, in fact, expect to earn the HD only to realize later on that they are majoring in a department that does not offer the HD.

We also believe the review committee might have better informed itself about Honors Program "publicity" that takes place within the University. Each year, eligible second semester freshmen who did not enter the University through the UHP and eligible sophomores and juniors receive individual direct mailings explaining their eligibility to pursue the HD or DD and offering direction to appropriate advisement. Thus, an individual honors-calibre student who does not enter the freshman UHP year receives three direct mailings, one each in the freshman, sophomore and junior years. Also, for the past two years, the UHP has held an evening Honors Information night--attended by about forty students aimed primarily at students completing the freshman year. These direct student contacts supplement the Honors Program's widely distributed course descriptions newspaper (3,500 copies distributed on campus each semester) and the annual Undergraduate Research Opportunities booklet (4000 copies each year). (See enclosures). The UHP certainly agrees with the review committee that general "publicity" is important. We want to point out, however, that such efforts already take place; we are not persuaded that an increase in publicity from the UHP would necessarily result in an increase in Honors Degrees awarded.

In the area of "publicity," the work that still needs to be done is at the department level where a departmental faculty honors coordinator should follow up on general UHP publicity by surveying computer-generated printouts of eligible students in the department, contacting these students' advisors and seeing to it that these students are advised to register for Honors courses where appropriate and to prepare for a research experience that will lead to the senior honors thesis. This fall, at the instigation of the UHP, individualized letters have been sent to majors with at least a 3.0 in two larger departments, urging those students to enroll in Honors courses (see Attachment A). If this practice seems to produce higher than usual enrollments in upper level Honors courses in the two departments, it will be expanded to include other departments in the future.

In addition, the departments should create occasions by which their honors-calibre majors can meet one another; pursuers of the HD and the DD need peer support groups, particularly in the very difficult senior year. These efforts, and more, by a departmental faculty honors coordinator would increase the number and improve the experience of students pursuing the HD in the major departments already offering them. However, in order for a departmental faculty member to do such tasks, the position of "departmental honors coordinator" must be recognized by the department chairperson as being a significant "service" function and rewarded accordingly. Therefore, the review committee's recommendation for "increased efforts" should be directed primarily to the academic departments. We would predict that if departmental procedures were operating in the eleven current HD degree routes, the number of HDs awarded would at least be doubled.

Finally, we come to the recommendation by the review committee that "more departments develop Honors [Degree] programs." The largest number of HDs we could reasonably expect the current HD-granting departments to award--even with good departmental Honors administration--under the present HD requirements is about fifteen. We believe that the number of HDs that should be awarded

annually is about fifty. The remaining students would come from departments not now offering the HD; this year, for example, there are fifty junior year students who were recruited into the UHP freshman year, who have maintained a 3.4, and who are majors in departments that do not now offer an Honors Degree.

One important function of the University Honors Program is to assist departments in the development of an HD route that is compatible with the department's goals for education in the major and that at the same time meets the spirit and letter of the University's generic requirements for the HD. We have been working to build the degree route in more departments. However, under the present generic requirements, we think the addition of many more departments may not be possible. The Honors Program staff and the Honors Council have therefore begun to consider possibilities for altering the generic Honors Degree requirements in such a way that, without sacrificing the educational depth and breadth that are currently associated with the degree route, it will be possible for all departments to develop an Honors Degree. Particularly under review are the number and kind of courses required in the major and the two tutorials.

RECOMMENDATION:

Because of the proven value of the Honors Degree experience, the UHP believes that the Faculty Senate should approve the concept of the Honors Degree. At the same time, we propose that the Senate urge the UHP and the Honors Council to suggest revisions in the generic requirements that will make the degree a viable option for all University departments that enroll undergraduates.

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Anthropology Honors Program

University Requirements for the Honors Bachelor's Degree

Honors majors must successfully complete the following:

1. At least 30 credits must be taken in Honors courses as described below under 2. At least 60 of the total credits accumulated for graduation shall be at the 300 level or above. A cumulative grade point index of 3.40 or better must be achieved.
2. At least 30 credit hours of designated Honors courses or Honors sections of courses:
Of these credits,
 - A. At least 18 credits shall be earned in Anthropology.
 - B. At least 12 credits shall be earned in elective courses not specified under A above.
 - C. Six credits shall be earned in Honors Tutorial experience at the sophomore level or above. Three Tutorial credits shall involve humanities and arts, and 3 shall involve natural and social science. Tutorial experience shall involve both individual and group interaction between the student and tutor.
 - D. At least 12 of the Honors credits shall be earned at the 300 level or higher.
3. Six credits of Senior thesis or project (via U401/402) embodying independent research and/or creative scholarly activity. The thesis-project shall show elements of creativity, synthesis, independent thinking and judgment. An oral presentation and discussion of the thesis/project will be held; it will be administered jointly by the major department and the Honors Program Office.
4. A written examination in the major subject, designed to integrate material contained in the individual student's major program

Department of Anthropology

Honors majors must complete a minimum of 30 credit hours of approved courses, 18 Honors credits. All Honors majors must complete satisfactorily the following:

- A. A minimum of 9 credit hours at 200 level, of which 3 are Honors credits.
- B. A minimum of 15 credit hours in 300/400 level courses, of which 9 are Honors credits. At least one Honors Seminar (ANT 499) should be taken. Six hours of special problems can be counted towards requirements for A and B.
- C. Completion in the Junior and Senior year of an Honors thesis based on independent research. The research and thesis are to be approved by the student's project advisor and a Departmental Honors Committee. The number of credits to be given will be 6, that is, the same now awarded for a thesis for a degree with distinction in a major field.

The Department will strongly encourage Honor students to take special problem courses beyond the 30 hours required in Anthropology.

For further information contact the Department of Anthropology, 113 Kirkbride Office Bldg., 302-738-2802.

I. Eligibility

A cumulative index of 3.5 must be achieved. At least 30 credits shall be taken in Honors courses. Twelve credits of these must be in art history, twelve others in other humanities majors. Six credits must be earned in an Honors Tutorial (300 level or above); three credits in the humanities and arts, three in the natural and social sciences. At least twelve Honors credits must be at the 300 level or higher.

II. Senior Thesis

An Honors Degree candidate must successfully complete a senior thesis by enrolling in U401 and U402. The thesis and an oral examination on the thesis will be supervised by a committee of three. Two of the three will be faculty in the art history department; the third will be designated by the Honors Program.

III. Written Examination

The candidate must pass a written examination consisting of three hours, of which one hour will be the identification of slides from the entire history of art, the other two will be essay questions on major works from the following periods: Ancient, Medieval, Renaissance, Baroque, 18th, 19th and 20th century European and American art.

HONORS DEGREE FOR THE BALS

The Honors Bachelor's Degree in Liberal Studies may be awarded by the Committee on Special Academic Programs to students who successfully complete the following:

1. Such courses, total course credits and course distribution requirements as are specified by the University, and the College of Arts and Science. At least 30 credits must be taken in Honors courses as described below under 3. At least 60 of the total credits accumulated for graduation shall be at the 300 level or above. A cumulative grade-point index of 3.40 or better must be achieved. The minimum number of credits for the degree is 124.
2. All requirements for the approved BALS program must be met as specified by the Arts and Science Committee on Special Academic Programs in agreement with the individual student and advisor.
3. At least 30 credit hours of designated Honors courses or Honors sections of courses. Of these credits,
 - a. at least 24 credits shall be earned in courses specified in the BALS proposal;
 - b. six (6) credits shall be earned in Honors Tutorial experience at the Sophomore level or above. Three (3) Tutorial credits shall involve Humanities and Arts, and three (3) shall involve Natural and Social Science. Tutorial experience shall involve both individual and group interaction between student and tutor;
 - c. at least 12 of the Honors credits shall be earned at the 300 level or higher;
 - d. no course may be taken Pass/Fail after acceptance to the BALS program.
4. Six (6) credits of Senior thesis or project (via U401/402) embodying independent research and/or creative scholarly activity. The thesis/project shall show elements of creativity, synthesis, independent thinking and judgment. An oral presentation and discussion of the thesis/project will be held; it will be administered jointly by the student's faculty advisor, a second reader and the Honors Program Office.
5. A written examination on the BALS program's subject, designed to integrate material contained in the individual student's major program, and administered by the faculty advisor who will establish an interdisciplinary committee of the faculty for this purpose.

BIOLOGY HONORS DEGREE

1. Students pursuing the Honors BA in Biology must fulfill all requirements of the University and the College of Arts and Science in terms of course distribution, language requirement, and total credit hours. At least 60 of the total undergraduate credits must be at the 300 level or above and at least 30 credits must be taken in Honors (section 80) courses. A cumulative grade point average of 3.40 must be achieved.
2. The distribution and credit requirements of the Biology BA must be fulfilled.
3. Of the 30 credits required in Honors sections, the following distributions must be observed.
 - a. At least 12 of these credits must be earned in courses required by SLHS for the Biology BA (these courses may or may not be within the School). The School currently offers Honors sections for the following courses: B 207, B 208, B 302, B 303, B 371.
 - b. At least 12 of these credits must be earned in courses not specifically required by SLHS for the Biology BA.
 - c. Six credits must be earned in the Honors Tutorial at the sophomore level or above. There are two broad divisions of this tutorial experience; Humanities and Arts, and Natural and Social Science.
 - d. At least 12 of these credits must be earned at the 300 level or above.
4. Six credits of senior research, culminating in a thesis must be earned. The purpose of this requirement is that the student must show elements of creativity, synthesis, independent thinking and judgment. The final product will be presented orally by the student and will be evaluated jointly by the School and Honors office.

This requirement is not to be confused with the Degree with Distinction, which is administered through the University Committee in Student and Faculty Honors. A student may participate in the Honors degree and the Degree with Distinction program, but the separate requirements of each must be met.
5. The student will be required to take a written examination in Biology at the conclusion of the degree program. This examination will be administered by the school and will integrate material from the Biology BA degree program.

REQUIREMENTS FOR AN HONORS DEGREE IN EDUCATIONAL STUDIES

A candidate for an Honors Baccalaureate Degree in Educational Studies must satisfy the following requirements.

I. The general University requirements.

II. The general Honors Degree requirements.

- (1) The candidate's cumulative grade index must be at least a 3.4 at the time of graduation.
- (2) At least sixty (60) of the total credits accumulated for graduation must be at the 300 level or above.
- (3) The candidate must complete at least thirty (30) credit hours of designated Honors courses (section "80" courses), meeting the following qualifications:
 - a. at least twelve (12) Honors credits must be earned in courses required by the major department;
 - b. at least twelve (12) Honors credits must be earned in elective courses that are not requirements for the major;
 - c. at least six (6) Honors credits must be earned in Honors Tutorials (U 490/491) including three (3) Tutorial credits designated "Humanities" (U 490) and three (3) designated "Natural/Social Sciences" (U 491);
 - d. at least twelve (12) Honors credits must be earned at the 300 level or higher.
- (4) The candidate must complete six (6) credits of an Honors thesis or project (U 401-80 and U 402-80); these credits are awarded for the research and writing of the senior Honors thesis. The student must give an oral presentation of the thesis or project to a committee of faculty from the major department and the Honors Program. The thesis/project should demonstrate creativity, synthesis, independent thinking and judgment.
- (5) The candidate must take a comprehensive written examination that integrates material contained in the individual student's major program. The written examination is administered by the student's major department.

III. All BAES requirements.

IV. The Educational Studies Honors requirements.

- (1) A minimum of 12 credit hours in Honors Courses in Educational Studies, not including Senior thesis or project.
- (2) Of these 12 credits, at least 9 must be at the Senior Seminar but not EDS 340 (Philosophical Foundations of Education).
- (3) Six credit hours of Senior thesis or project (U 401 and U 402). The candidate must give an oral presentation and defense of the thesis or project to a committee of faculty from Educational Studies and the University Committee on Student and Faculty Honors.

The Honors Degree in English

The Honors Degree in English offers interested students a program of Honors course work, tutorials, research and thesis that enriches the regular bachelor's degree requirements for the English major. Achievement of this degree is recorded on the student's official transcript and diploma.

Eligibility

To apply for candidacy for the Honors Degree a student should have a grade point index of 3.4 or higher. If a student's GPI is close to a 3.4, the student may apply with the recommendation of a faculty member. Awarding the Honors Degree requires a 3.4 cumulative grade point index at the time of graduation. A student may enroll in Honors courses with a 3.0 or higher GPI or with permission of the course instructor. A 3.4 GPI or tutor's permission is required for enrollment in a tutorial.

The Honors Degree in English is available to all majors in the Department, including concentrators in Journalism, Folklore, Film Studies, and Business and Technical Writing.

Application Procedure

Students may apply for Honors Degree candidacy during the first semester of the sophomore year or in any of the following three semesters. An early application is preferable so that the student is assured of receiving full advisement and assistance from the English Honors Committee and the University Honors Program.

Application forms are available at the University Honors Program office, 186 South College Avenue.

Degree Requirements

A candidate for the Honors Degree must satisfy the general University requirements and the degree requirements specified by the College of Arts and Science and the English Department. In addition, the following conditions must be met:

- (1) At least sixty (60) of the total credits accumulated for graduation must be at the 300 level or above.
- (2) The candidate must complete at least thirty (30) credit hours of designated Honors courses, meeting the following qualifications:

Department of English/Honors Degree

- a. a minimum of twelve (12) credit hours in Honors courses in English, not including the thesis. Of these, nine (9) credits must be at the 300 level or above; at least one course must be an Honors Seminar (E480-Honors).
 - b. At least twelve (12) Honors credits must be earned in elective courses that are not requirements for the major.
 - c. At least six (6) Honors credits must be earned in Honors Tutorials (U 490/491) including three (3) Tutorial credits designated "Humanities" (U 490) and three (3) designated "Natural/Social Sciences" (U 491).
 - d. At least twelve (12) Honors credits must be earned at the 300 level or higher, not including the thesis. The nine required Honors English credits at the 300 level or above may be included in these twelve credits.
- (3) The candidate must complete six (6) credits of an Honors senior thesis (U 401-80 and U 402-80). Research for the thesis will be directed by a faculty advisor; the thesis will be approved by the English Department Honors Committee and the University Honors Program following a successful oral defense. The six credit hours in U 401 and U 402 (Honors Senior Thesis) will count as part of the English major. For a full discussion of the senior thesis requirement, see the English Department information sheet, "The Honors Senior Thesis."
- (4) The candidate must take a comprehensive written examination that integrates material contained in the individual student's major program. This examination is administered by the English Honors Committee in the second semester of the senior year.

Honors Recognition Without the Honors Degree

If an Honors Degree candidate does not successfully complete the senior thesis or the comprehensive examination, or if the cumulative grade index at the time of graduation is not a 3.4 or higher, the Honors Degree cannot be awarded. Nevertheless, the student will receive recognition on the transcript and in letters of recommendation for Honors work accomplished.

Honors course work is identified as such in the course title. Successful completion of a senior thesis is recognized by all graduate schools and employers as a major accomplishment beyond course work. Successful completion of one semester of research, while not a thesis, is characterized as an independent research project undertaken over and above course work; in this case, the course registration for U 401 - Honors Senior Thesis may be changed retroactively to E 466 - Senior Research.

HISTORY DEPARTMENT HONORS PROGRAM

- A. Honors majors in History complete a minimum of 30 credit hours in history, satisfying the normal requirements of the history major. Of the 30 credit hours, at least 18 are Honors credits, distributed as follows:
1. 9 to 11 Honors credits, at least 6 of which will be at the 300 level or above. Normally, when taking the 300-level courses, the student will receive 4 credit hours for each, the result of extra work and usually one additional student-teacher contact hour in each course.
 2. 3 Honors credit hours for H495/80, a seminar on interpretive perspectives in history and historical research and methodology, designed to acquaint the student with such things as new approaches to history, comparative studies, and interdisciplinary historical techniques. The emphasis of this seminar will vary from year to year.
 3. 6 Honors credits in the senior year for the completion of an Honors thesis based on independent research. The research and thesis are approved by the student's project advisor and the Departmental Honors Committee. The student makes an oral defense of the completed thesis. This defense is administered jointly by the Department and the Honors Program office.
- B. In the senior year the student is given a comprehensive examination designed to integrate the material of the area of emphasis.
- C. To receive an Honors Degree in History a student also fulfills the general requirements of the Honors Bachelor Degree, including maintenance of a cumulative grade point average of 3.40 or better.

HONORS DEGREE/PHILOSOPHY

- I. 12 credit hours of Honors courses in Philosophy. These 12 are to be included in 30 hours for Major.*
- II. 6 hours Thesis - U 401/Honors and U 402/Honors
- III. 3 hours of tutorial credits taken in connection with any of the following courses:

1 hour attached to 301, 303, or 305
2 hours attached to 308, 315, 345, 350, 351, 401, 403, 443,
444, 446, 447, 460, 461, 462, 463
These are arranged.
- IV. 3 hours Philosophy Honors course, not cross-listed as interdisciplinary.
- V. All requirements of major in Philosophy.*
- VI. All requirements for University Honors Degree routes.

* Major Requirements

1. Thirty (30) credit hours in philosophy courses
2. Included in the thirty (30) credits must be three (3) credits from each of the following groups:

Group I

PHL 201 Introduction to Political & Legal Philosophy
PHL 203 Ethics
PHL 209 Introduction to Philosophy of Religion
PHL 244 Introduction to Philosophy of Art

Group II

PHL 301 Ancient Philosophy
PHL 303 Modern Philosophy
PHL 305 Twentieth-Century Philosophy

Group III

PHL 205 Logic
PHL 208 Experience, Knowledge & Reality
PHL 306 Introduction to Philosophy of Science
PHL 315 Philosophical Problems of the Social Sciences

3. The thirty credits must include at least twelve (12) at or above the 300 level.

HONORS DEGREE/PHYSICSREQUIREMENTS:

1. The candidate must satisfy the general University requirements and all of the requirements for the B.S. degree in Physics or in one of the options in the B.S. program.
2. The candidate's cumulative grade index must be at least 3.4 at the time of graduation.
3. At least sixty (60) of the total credits accumulated must be at the 300-level or above.
4. The candidate must complete at least thirty (30) hours of designated Honors courses (section "80" courses), meeting the following qualifications:
 - (a) at least twelve (12) Honors credits in Physics courses. Of these, at least six (6) credits must be obtained in Physics courses beyond those required for the major in Physics. Specifically such courses shall be chosen from (section "80" of) PS 610: Quantum Mechanics; PS 607-8: Mathematical Methods of Physics; PS 624: Solid State Physics; PS 627: Advanced Laboratory and PS 638: Special Topics in Physics. The Department Curriculum Committee may, from time to time, designate other special courses at comparable academic level as satisfying Honors Degree requirements, provided such courses are not part of the B.S. in Physics.
 - (b) at least twelve (12) Honors credits must be earned in elective courses that are not requirements for the major.
 - (c) at least six (6) Honors credits must be earned in Honors Tutorials (U 490/491) including three (3) Tutorial credits designated "Humanities" and three (3) designated "Natural and Social Sciences."
 - (d) at least twelve (12) Honors credits must be earned at the 300-level or above.
5. The candidate must complete six (6) credits of an Honors thesis or project (U 401-80 and U 402-80); these credits are awarded for research and writing of the senior Honors thesis. The student must give an oral presentation of the thesis or project to a committee of faculty from the major department and the Honors Program. The thesis/project should demonstrate the ability to undertake research in the field of physics.
6. The candidate must take a comprehensive written examination in physics. Such examination shall normally be completed no later than Winter Term of the Senior Year.

Approved: College Senate 4/11/83

Honors Degree in Political Science

The Honors Degree in Political Science will be awarded to departmental majors who meet the following requirements:

1. The requirements for the major in the department. 30 credits in the department including PSC 105 and one course at the 400 level in each of four of the five fields. In addition, at least 60 of the total credits accumulated for graduation shall be at the 300 level or above.
2. At least 30 credit hours of designated Honors courses or Honors sections of courses. Of these credits:
 - a. at least 12 credits shall be earned in political science Honors courses; and shall represent work in at least two fields of the discipline;
 - b. at least 12 credits shall be earned in elective courses;
 - c. six credits shall be earned in Honors tutorial experience at the sophomore level or above. Three tutorial credits shall involve Humanities and Arts, and three shall involve Natural and Social Science. Tutorial experience shall involve both individual and group interaction between student and tutor.
 - d. at least 18 of the Honors credits shall be earned at the 300 level or higher (not necessarily in Political Science).
3. Six (6) credits of Senior thesis or project (via U 401/402) embodying independent research and/or creative scholarly activity. The thesis/project shall have elements of creativity, synthesis, independent thinking and judgment. An oral presentation and discussion of the thesis/project will be held; it will be administered jointly by the Political Science Department and the Honors Program office.
4. A comprehensive written examination in Political Science designed to integrate material contained in the individual student's major program. It shall be scheduled during the spring semester of the senior year and shall be administered by the Departmental Honors Committee.
5. The grade point average for admission to the program is 3.4.

HONORS DEGREE IN PSYCHOLOGY

The honors degree in psychology may be taken by students who fulfill the following requirements.

- I. All normal requirements for the major in psychology will be fulfilled.
- II. A cumulative grade-point index of 3.400 or better must be achieved.
- III. At least 60 of the total credits accumulated for the degree shall be at the 300 level or above.
- IV. At least 30 credits shall be accumulated in Honors courses or Honors sections of courses. Of these credits:
 - a. At least 12 shall be earned in psychology.
 - b. At least 12 shall be earned in other departments' offerings.
 - c. Six credits shall be earned in Honors Tutorial experience at the sophomore level or above. Three credits shall be taken in Arts and Humanities and three shall be taken in Social and Natural Sciences.
 - d. At least 12 credits shall be earned in courses at the 300 level or above.
- V. Six credits will be earned for a senior thesis based upon empirical research in psychology. Before undertaking the thesis project, the student will have taken some courses, e.g., Psy 309, 310, 312 or 366 which provide laboratory experiences relevant to the student's research area. The thesis will be defended orally before a faculty committee from the Psychology Department and the Honors Office. A copy of the thesis will be deposited in the University Library.
- VI. A written comprehensive examination in psychology will be taken in the student's last semester in residence. The examination will be designed and graded by the Thesis Committee and the Department Undergraduate Studies Committee.

VIII. HONORS DEGREE RECIPIENTS, 1981-84

- 1981 Brett Schofield, Dean's Scholar - Biology
 Ph.D. Program, Duke University
- 1982 James Knox, Biology
 M.D. Program, Jefferson Medical School
- Pamela Dean, Psychology
- Theresa Peter, English
 High School Teacher
- 1983 Mary Digel, Biology
 M.D./Ph.D. Program, Duke University
- Sheila Harrington, BALS
 M.A. Program, Hofstra Univ.; applying to Ph.D. Program,
 University of New Mexico
- Mott Linn, History
 Ph.D. Program, University of Wisconsin, Madison
- Lori Jo Pease, Biology
 Stein Labs, DuPont Company
- Lawrence Principe, Dean's Scholar - History of Chemistry
 Ph.D. Program, Indiana University
- Wendy Davis, Psychology
- 1984 Emily Platt, Biology
 Ph.D. Program, University of California, Berkeley
- Laurie Jo Shannon, English
 Ph.D. Program, University of Chicago
- Lynda Wallace, Dean's Scholar - Political Philosophy
 Theological study, Drew University

