

2007

Recommendation from the Committee on Undergraduate Studies (Amy Johnson, Chair) with the concurrence of the Coordinating Committee on Education (Alan Fox, Chair) and the Executive Committee (Dallas Hoover, Chair) for the request to add a BS major in Psychology (attachment) (attachment)

Whereas, we would like to increase the number of students who apply to graduate schools in psychology and the competitiveness of our best students for entrance into top level graduate programs, and

Whereas, we would like to better meet the needs of students with strong science backgrounds and interests who change majors to Psychology because of changing career aspirations, and

Whereas, we would like to offer dedicated students the opportunity to engage in depth the rigorous scientific approach to Psychology advocated by the faculty. A Bachelor of Science Degree Program serves a rhetorical purpose in communicating that approach and will serve to recruit select students away from the Bachelor of Arts program. As we develop the Bachelor of Science Program, we plan to focus on providing exciting, rigorous, and sequenced research experiences in our laboratories, and

Whereas, a Bachelor of Science Degree Program dramatically enhances our competitiveness in applying for grants from federal funded programs for undergraduate research and teaching in aspects of psychological science. NIMH, for example, has a program to enhance the undergraduate science training of potential applicants to Clinical Science graduate programs, be it therefore

Resolved, that the Faculty Senate recommends that the BS in Psychology be granted provisional status in the College of Arts and Sciences

UNIVERSITY FACULTY SENATE FORMS

Revised 3-1-07

Academic Program Approval

This form is a routing document for the approval of new and revised academic programs. Proposing department should complete this form. For more information, call the Faculty Senate Office at 831-2921.

Submitted by: Brian Ackerman phone number 2385

Action: Add a Bachelor of Science Degree curriculum for majors

(Example: add major/minor/concentration, delete major/minor/concentration, revise major/minor/concentration, academic unit name change, request for permanent status, policy change, etc.)
06F

Effective term: _____
(use format 04F, 05W)

Current degree: _____
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)
BA
BS (in addition to BA)

Proposed change leads to the degree of: _____
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed name: Bachelor of Science in Psychology
Proposed new name for revised or new major / minor / concentration / academic unit (if applicable)

Revising or Deleting:

Undergraduate major /
Concentration: _____
(Example: Applied Music – Instrumental degree
BMAS)

Undergraduate
minor: _____
(Example: African Studies, Business Administration, English, Leadership, etc.)

Graduate Program Policy statement
change: _____
(Attach your Graduate Program Policy Statement)

Graduate Program of
Study: _____

PHD) (Example: Animal Science: MS Animal Science: PHD Economics: MA Economics:

Graduate minor / concentration: _____

List program changes for curriculum revisions:

Addition of a Bachelor of Science Degree Program to the existing Bachelor of Arts Degree Program. The BA Program will not change.

List new courses required for the new or revised curriculum:

(Be aware that approval of the curriculum is dependent upon these courses successfully passing through the Course Challenge list. If there are no new courses enter "None")

CURRICULUM	CREDITS
DEGREE: BACHELOR OF SCIENCE	
MAJOR: PSYCHOLOGY	
University Requirements:	
ENGL 110 Critical Reading and Writing	03
MULTICULTURAL COURSE	03
COLLEGE REQUIREMENTS:	
Foreign Language	00-12
Breadth Requirements	24 *
(Minimum of 6 credits each in Groups A & B; 12 credits in Group C)	
SECOND WRITING REQUIREMENT	03
SCIENCE CORE:	
Biological Sciences	11*
Take these 3 courses:	

Three courses at the 400-level or the 600-level: 09 *

Two courses of supervised research: 06 *

PSYC 468 Research or
UNIV 401/402 Thesis

A grade of C- or better is required in all BISC, CHEM, PHY, MATH, CISC, and PSYC courses.

* These components supplement the current BA curriculum by adding Science Background, specifying Calculus as a Math requirement, adding to the major one 400 level course, the possible substitution of 600 level courses, and the supervised research requirement. The University Thesis program will substitute for the PSYC 468 requirement. To compensate for the added course requirements, the new degree program reduces the number of credits needed to satisfy the Arts & Sciences General Education requirements by 6 in each of Groups A and B.

Other affected units:

(List other departments affected by this new or revised curriculum. Attach permission from the affected units. If no other unit is affected, enter "None")

Biological Sciences
Chemistry
Physics
Mathematics
Computer Science

Rationale:

(Explain your reasons for creating, revising, or deleting the curriculum or program.)

We first explain our goals for this proposed Bachelor of Science Degree Program. Then we describe and explain the details.

Goals:

We propose a new Bachelor of Science Degree Program for several reasons. First, we would like to increase the number of students who apply to graduate schools in psychology and the competitiveness of our best students for entrance into top level graduate programs. We can increase the number by emphasizing the science end of psychology and the strong interrelations with other life sciences. Similarly, exposure to more physical science and more opportunities for supervised independent research in our department (e.g., through PSYC 468) will enhance competitiveness. Good graduate programs in Clinical Science now, for instance, recruit students on the basis of their

science interests and demonstrated aptitude, and appreciate the Bachelor of Science degree.

Second, we would like to better meet the needs of students with strong science backgrounds and interests who change majors to Psychology because of changing career aspirations. Providing more opportunities to take upper level and graduate courses and to do supervised research enhances the ability of these students to craft specialty concentrations. The Bachelor of Science Degree Program thus both channels and rewards their achievements. Similarly, students in our undergraduate Neuroscience program, with exceptionally strong science backgrounds, will welcome the new opportunity to earn a Bachelor of Science degree rather than a BA.

More generally, third, we would like to offer dedicated students the opportunity to engage in depth the rigorous scientific approach to Psychology advocated by the faculty. A Bachelor of Science Degree Program serves a rhetorical purpose in communicating that approach and will serve to recruit select students away from the Bachelor of Arts program. As we develop the Bachelor of Science Program, we plan to focus on providing exciting, rigorous, and sequenced research experiences in our laboratories.

Finally, a Bachelor of Science Degree Program dramatically enhances our competitiveness in applying for grants from federal funded programs for undergraduate research and teaching in aspects of psychological science. NIMH, for example, has a program to enhance the undergraduate science training of potential applicants to Clinical Science graduate programs.

Details:

The proposed program requires students to take between 25 and 26 credits in courses constituting the science background (11 in Biology, 8 in Chemistry or Physics, and 6-7 in Computer Science and Math). This total represents an increase of possibly 12 to 13 science credits over the usual number for BA Psychology majors. We also are requiring 6 extra credits in courses in Psychology, with 3 coming from an additional specialty seminar and 6 coming from two semesters of quasi-independent supervised research (PSYC 468). The typical BA major also has 3 credits of electives, which we are eliminating. To partially compensate for the extra credits in the Science background and Psychology components, we propose to reduce the number of credits necessary to satisfy the Arts and Sciences Groups A and B requirements. Halving that number frees up 12 credits.

We expect to graduate about 10 students per year with a BS degree. That figure would constitute about 5% of our current Psychology majors. Many of these 10 students will be in our current Neuroscience interdisciplinary program or will be students interested in Biological Sciences as a major who migrated to Psychology.

Program Requirements:

(Show the new or revised curriculum as it should appear in the Course Catalog. If this is a revision, be sure to indicate the changes being made to the present curriculum.)

DEGREE: BACHELOR OF SCIENCE

MAJOR: PSYCHOLOGY

University Requirements:

ENGL 110 Critical Reading and Writing 03

MULTICULTURAL COURSE 03

COLLEGE REQUIREMENTS:

Foreign Language 00-12

Breadth Requirements 24

(Minimum of 6 credits each in Groups A & B;
12 credits in Group C)

SECOND WRITING REQUIREMENT 03

SCIENCE CORE:

Biological Sciences 11

Take these 3 courses:

BISC 207 Introductory Biology I 04

BISC 208 Introductory Biology II 04

BISC 306 General Physiology 03

BISC 207 will be taken in the Spring semester and 208 in the Fall semester.

Chemistry and Physics 08

Take two courses in sequence:

CHEM 103/104 General Chemistry or 08

PHYS 201/202 Introductory Physics I/II 08

Mathematics 03-04

MATH 221 Calculus or 03

MATH 241 Analytic Geometry and Calculus A 04

Computer Science 03

CISC 105 General Computer Science 03

MAJOR REQUIREMENTS:

PSYC 100	General Psychology	03
PSYC 207	Research Methods	03
PSYC 209	Measurement and Statistics	03

One of the following four courses: 03

PSYC 312	Learning and Motivation
PSYC 314	Brain and Behavior
PSYC 316	Biological Bases of Behavior
PSYC 320	Introduction to Neuroscience

One of the following three courses: 03

PSYC 310	Sensation and Perception
PSYC 340	Cognition
PSYC 344	Psychology of Language

One of the following two courses: 03

PSYC 350	Developmental Psychology
PSYC 380	Psychopathology

One of the following two courses: 03

PSYC 370	Research in Personality
PSYC 390	Social Psychology
PSYC 394	Cultural Psychology

Three courses at the 400-level or the 600-level: 09

Two courses of supervised research: 06

PSYC 468	Research or
UNIV 401/402	Thesis

A grade of C- or better is required in all BISC, CHEM, PHY, MATH, CISC, and PSYC courses.

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

ROUTING AND AUTHORIZATION: (Please do not remove supporting documentation.)

Department Chairperson _____ Date _____

Dean of College _____ Date _____
Chairperson, College Curriculum Committee _____ Date _____
Chairperson, Senate Com. on UG or GR Studies _____ Date _____
Chairperson, Senate Coordinating Com. _____ Date _____
Secretary, Faculty Senate _____ Date _____
Date of Senate Resolution _____ Date to be Effective _____
Registrar _____ Program Code _____ Date _____
Vice Provost for Academic Programs & Planning _____ Date _____
Provost _____ Date _____
Board of Trustee Notification _____ Date _____

Revised 11/03/04 /khs

Karren,

Here is supporting documentation for our revised BS proposal in Psychology, which should be under review by a Senate committee. The revision concerns BISC courses, and I think I needed to get a letter of support from Dan Carson endorsing the changes. Dan Carson is Chair of Biology. Here is the letter of support.

Brian Ackerman
Psychology

-----Original Message-----

From: Dan Carson [mailto:dcarson@UDel.Edu]
Sent: Tuesday, October 17, 2006 4:33 PM
To: Brian P. Ackerman
Subject: Re:

This is acceptable.

Dan

Brian P. Ackerman wrote:

> Dan,
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> Dave Usher asked me to communicate our solution to the
> 207/208 problem for our BS degree. If you recall (I'm writing this
> note for Committee audiences), University committees reviewing our BS
> proposal wanted the students in the program to take BISC 207 and 208
> instead of the less demanding BISC 104 and BISC 105 in the original
> proposal. When we talked about the substitution last year in
> preparing the original BS proposal, we ran into the problem that there were no
> seats in BISC 207 that could be allocated to the Psych BS students.

The solution Dave and I just worked out is to stagger the semesters so
> that our students take BISC 207 in the Spring semester and then BISC 208 in
> the following Fall semester. There is less demand on BISC 207 in the
> Spring and hence room for our students. Accordingly, in the new
> proposal revision under committee review we have stipulated that BS
> majors should take BISC 207 in the Spring semester. The stipulation
> only concerns students who come into the BS without having taken BISC
> courses. It is likely that most of these students will have already
> taken BISC 207 in a previous guise as Biology majors or through the
> Neuroscience program.

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> Please let me know if this solution is acceptable. I will

> then forward the e-mail to Karren Helsel, who is the Administrative
> Assistant to the Faculty Senate.

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Thanks,

Brian

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& Chairman
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