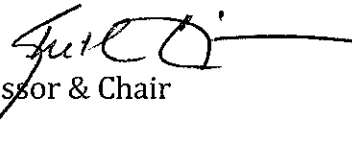


MEMORANDUM

TO: Curriculum and Academic Programs Committee

FROM: Keith Crnic, Ph.D. 
Foundation Professor & Chair

DATE: August 18, 2011

RE: Proposed new concentration BS in Psychology: Psychological Sciences
Concentration

This is to verify that the proposed undergraduate concentration (BS in Psychology: Psychological Sciences Concentration) has been reviewed by the Undergraduate Studies Committee and approved by the Departmental faculty.

The Psychology Department has the resources to support the concentration as presented in the proposal, without impacting the core program resources.

Department of Psychology

950 S. McAllister, Room 237

P.O. Box 871104

Tempe, AZ 85287-1104

August 19, 2011

To: Curriculum and Academic Programs Committee

From: Clark Presson, Professor and Director of Undergraduate Studies
(on behalf of the Psychology Department Faculty)

Subject: Proposal to establish a BS in Psychology: Psychological Science concentration

1. A supporting letter from the chair of the academic unit.

Attached.

2. A supporting letter from the office of the supervising dean verifying that the concentration has been reviewed and has received approval through appropriate governance procedures in the college.

3. A supporting letter from each college/school dean from which individual courses, or the entire concentration, are taken.

4. A statement concerning demand for the program (student/community/market).

The Psychology faculty proposes the establishment of a B.S. in Psychology: Psychological Science concentration. The proposed concentration will prepare our top performing students whose goal is to pursue a Research PhD. (or further graduate work) in Psychology or related research disciplines. A strong preparation for students who wish to pursue graduate study in a research discipline includes advanced statistics, strong writing skills and at least two semester of research experience. In addition, the B.S. in Psychology: Psychological Sciences has ample room for students to complete a minor. By requiring students to complete at least six hours from one discipline related to Psychology, completion of the concentration encourages students to seek out a related discipline to enhance their education.

5. A list of the knowledge, competencies, and skills (learning outcomes) students should have when they complete this proposed concentration. Examples of program learning outcomes can be found at (<http://www.asu.edu/oue/assessment.html>).

The Psychology faculty have identified the knowledge, competencies and skills that graduates of the B.S. in Psychology: Psychological Science will attain.

- Graduates will be able to apply theories and scientific findings to understand psychological phenomenon.
 - Knowledge of psychological theories and findings
 - Provides accurate descriptions of theories and findings relevant to phenomena; uses discipline-specific language.
 - Relations among theories and alternative explanations

- Accurately analyzes the relations between competing and non-competing theories; is able to develop a reasonable argument to defend these points.
- Application of psychological theory and principles
 - Moves easily from the conceptual level to that of the specific behavior. Demonstrates an understanding between theoretical framework and application.
- Graduates will be able to read scientific articles and effectively evaluate research-related evidence pertaining to psychological phenomena.
 - Knowledge of methodology in psychological research
 - Demonstrates accurate knowledge of methodologies and can evaluate methodological strengths (or limitations) with very few to no errors.
 - Knowledge of statistical inference to interpret data in psychological research
 - Accurately identifies descriptive and inferential statistics; broadly links statistical procedures to the study's aims; draws valid conclusions about the generalizability of findings.

6. A description of the requirements for this concentration. Be specific in listing required courses and specify the total minimum number of hours required for the concentration.

Students must meet the following criteria for admission to the B.S. in Psychology: Psychological Science concentration:

- Earned at least 45 hours
- Completed BS in Psychology critical courses (ENG 102, MAT 251 or MAT 270, PGS 101, PSY 230, PSY 290) with a grade of C or better.
- At least an ASU 3.0 CUM GPA

In addition, students must maintain at least a 3.0 Cumulative GPA from admittance through graduation.

The concentration will require completion of 37 credit hours from the following requirements. The 15 unique hours required for the concentration are identified in the notes area under the requirements.

Foundation of Psychology (10 hours):

- PGS 101 Introduction to Psychology
- PSY 230 Introduction to Statistics
- PSY 290 Research Methods

Breadth within Psychology Take one course each from four of the following five clusters (12 hours):

- Biological
PSY 325 Physiological Psychology

- Personality/Mental Health
PGS 315 Personality Theory and Research
PGS 466 Abnormal Psychology
- Cognitive/Learning
PSY 320 Learning and Motivation
PSY 323 Sensation and Perception
PSY 324 Memory and Cognition
- Developmental
PGS 341 Developmental Psychology
- Social
PGS 306 Environmental Psychology
PGS 350/351 Social Psychology/Honors Social Psychology

Depth within Psychology - complete 2 courses from the following list (6 hours):

PGS 414: History of Psychology (L or SB)

PSY 420: Analysis of Behavior (L)

PSY 424: Genetic Psychology (L)

PSY 425: Biological Bases of Behavior (L)

PSY 426: Neuroanatomy

PSY 427: Immunoneuropsychology: Research Foundation

PGS 430: Industrial Psychology

PSY 434: Cognitive Psychology (L)

PSY 437: Human Factors (L)

PGS 441: Cognitive Development (L or SB)

PGS 443: Abnormal Child Psychology (L or SB)

PGS 444: Adolescent Psychology and Psychopathology

PGS 445: Child Language and Drawing (SB)

PGS 446: Social Development (L or SB)

PGS 451: Stereotyping, Prejudice, and Discrimination (L)

PGS 452: Applied Social Psychology (L)

PGS 458: Group Dynamics

PGS 461: Interpersonal Influence (SB)

PGS 462: Health Psychology

PGS 464: Minority Issues in Psychology

PGS 465: Psychology of Stress and Coping

PGS 466: Abnormal Psychology (SB)

PGS 468: Psychology and Law

PGS 471: Psychological Testing

PGS 472: Clinical Psychology

PSY 498: Behavioral Neuroscience Research

PSY 498: Neuroscience of Memory and Aging

PSY 498: Neurobiology Learning and Memory

PGS 498: Intellectual Disabilities: Autism to fragile X

PGS 498: Health Promotion in Minority Populations

PGS 498: Psychology of Addictions

PSY 498: Emotions, Stress, and Health

PGS 498: The Psychology of e-Learning and Gaming

PSY 498: Embodied Cognition

PSY 498: Dynamics in Psychology

PGS 498: Home Impact on Children

PGS 498: Cross-Cultural Psychology

PGS 498: Diversity and the Psychology of Women

PGS 498: Psychology of Emotions

NOTE: the B.S. in Psychology requires 2 Depth courses but only one at the 400 level and the course list includes several 300 level choices. This represents 3 unique hours for the concentration.

Additional Psychology Courses (9 hours):

- PSY 330 Statistical Methods
- At least 6 hours of Research Experience through the following courses: PGS 399: Supervised Research, PSY 499: Individualized Instruction, PSY 492: Honors Directed Study , PSY 493: Honors Thesis (L)

NOTE: The Psychology faculty has proposed a revision of the current B.S. Psychology degree. This revision removes these requirements and replaces them with Psychology course electives. This represents 9 unique hours for the concentration.

Foundations of Behavior: 12 credit hours of coursework from disciplines related to Psychology as identified by the following prefixes. At least 6 hours must be from discipline.

- ASB, ASM, BIO, GCU, HPS, PHI, SOC

NOTE: the B.S. in Psychology requires 12 credit hours of coursework from the list of prefixes but does not require at least 6 hours from one discipline. This represents 3 unique hours for the concentration.

- Are any new courses required? If so, provide course syllabi and Proposal for Curriculum Action forms.

No new courses are required for the B.S. in Psychology: Psychological Science Concentration

7. A list of the primary faculty participants.

The entire Department's faculty will be involved in various roles: from instructors, mentors, and Researchers, including:

Leona Aiken, Eric Amazeen, Nia Amazeen, Manuel Barrera, Heather Bimonte-Nelson, Robert Bradley, Gene Brewer, Elizabeth Capaldi, Laurie Chassin, Michelene Chi, Adam B. Cohen, Cheryl Conrad, William Corbin, Keith Crnic, Mary David, Leah Doane-Sampey, Nancy Eisenberg, Craig Enders, William Fabricius, Art Glenberg, Stephen Goldinger, Nancy Gonzales, Donald Homa, Paul Karoly, Douglas Kenrick, George Knight, Virginia Kwan, Gary Ladd, Patrick Langley, Richard Lanyon, Kathryn Lemery-Chalfant, Barry Leshowitz, Sandra Losoya, Linda Luecken, David P. Mackinnon, Michael McBeath, Roger Millsap, Craig Nagoshi, Janet Neisewander, Steven Neuberg, Morris Okun, Foster Olive, Armando Pina, Clark Presson, Delia Saenz, Michael Saks, Frederico Sanabria, Irwin Sandler, Lani Shiota, Gregory Stone, Stephen West, Sharlene Wolchik, Alex Zautra.

8. A minimum residency requirement: How many hours of the concentration must be ASU credit?

The B.S. in Psychology: Psychological Science concentration will require that students complete at least

12 credit hours of upper division (300-400 level) Psychology (PGS/PSY) courses through the Psychology Department at the Tempe campus.

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Competed Transfer Pathway: <input type="checkbox"/> MAPP <input type="checkbox"/> TAG <input type="checkbox"/> ATP <input type="checkbox"/> None		Completed General Education: <input type="checkbox"/> AGECE <input type="checkbox"/> IGETC/CSUGE <input type="checkbox"/> None	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
TERM ONE: 16 CREDIT HOURS Critical course signified by						
WAC101: Intro to Academic Writing OR WAC 107: Intro Academic Writing/International Student OR ENG 101: First-Year Composition OR ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: English for Foreign Students	3	<input type="checkbox"/>			C	<ul style="list-style-type: none"> An SAT, ACT, Accuplacer or TOEFL score determines placement into First-Year Composition. FYC must be completed by the end of Term 3 The Math Placement Exam score determines placement into MATH. Students must complete through MAT 170 PreCalculus by the end of Term 2 or during the summer session between Term 1 and Term 2. ASU 101 or College specific equivalent First Year Seminar required of all freshman students- LIA 194 or a 191 level course offered by the College of Liberal Arts and Sciences. See Note below in Additional Notes concerning Foundations of Behavior.
PGS 101: Introduction to Psychology (SB)	3	<input type="checkbox"/>			C	
MAT 194: Enhanced Freshman Mathematics AND MAT 117: College Algebra OR MAT 117: College Algebra OR MAT 170: PreCalculus OR MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	<input type="checkbox"/>			C	
LIA 194: Intro to Liberal Arts and Sciences OR First-Year Seminar	1	<input type="checkbox"/>				
Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) OR Foundations of Behavior	3				C (Foundation of Behavior only)	
Elective	3					
Term hours subtotal:	16-17	0				
TERM TWO: 31 CREDIT HOURS Critical course signified by						
ENG 101: First-Year Composition OR ENG 102: First-Year Composition OR ENG 107: English for Foreign Students OR ENG 108: English for Foreign Students	3	<input type="checkbox"/>			C	<ul style="list-style-type: none"> FYC must be completed by the end of Term 3 If the FYC requirement is completed – a University elective or Research Experience (PGS 390 or PSY499). See Note below in Additional Notes concerning Additional Psychology Courses. If MAT 251 or MAT 270 is completed - University Elective. Students must complete through MAT 170 PreCalculus by the end of Term 2 or during the summer session between Term 1 and Term 2. See Note below in Additional Notes concerning
MAT 170: PreCalculus OR MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	<input type="checkbox"/>			C	
Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) OR Foundations of Behavior	3	<input type="checkbox"/>			C (Foundation of Behavior only)	

Natural Science - Quantitative (SQ)	4	<input type="checkbox"/>			Foundations of Behavior.
Elective	2				
Term hours subtotal:	15-16	0			
TERM THREE: 47 CREDIT HOURS Critical course signified by					
ENG 102: First-Year Composition OR ENG 108: English for Foreign Students	3				<ul style="list-style-type: none"> • FYC must be completed by the end of Term 3. • If the FYC requirement is completed –a University Elective or Research Experience (PGS 399, PSY 399, or PSY 499) . See Note below in Additional Notes concerning Additional Psychology Courses. • MAT 251 or MAT 270 must be completed by the end of Term 3. If MAT 251 or MAT 270 is completed - University Elective. • See Note below in Additional Notes concerning Foundations of Behavior.
MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3	<input type="checkbox"/>		c	
PSY 230: Introduction to Statistics (CS)	3	<input type="checkbox"/>		c	
Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) OR Foundations of Behavior	3	<input type="checkbox"/>		C (Foundation of Behavior Only)	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	<input type="checkbox"/>			
Term hours subtotal:	16	0			
TERM FOUR: 63 CREDIT HOURS Critical course signified by					
PSY 290: Research Methods (L or SG)	4	<input type="checkbox"/>		C	<ul style="list-style-type: none"> • See Note below in additional notes concerning Additional Psychology Courses • CLAS Science and Society requirement: http://clas.asu.edu/scienceandsociety • See Note below in additional notes for Foundations of Behavior. If HU, Awareness Areas and Foundations of Behavior requirements are completed - University Elective.
CLAS Science and Society Elective	3	<input type="checkbox"/>		C	
Humanities, Fine Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Fine Arts and Design (HU) AND Global Awareness (G) OR Humanities, Fine Arts and Design (HU) AND Historical Awareness (H) OR Foundations of Behavior	3	<input type="checkbox"/>		C (Foundations of Behavior Only)	
PGS 399: Supervised Research OR PSY 499: Individualized Instruction OR PSY 399: Supervised Research	3	<input checked="" type="checkbox"/>		C	
Elective	3	<input type="checkbox"/>			
Term hours subtotal:	16	3			
TERM FIVE: 78 CREDIT HOURS Critical course signified by					
PSY 330: Statistical Methods (CS)	3	<input checked="" type="checkbox"/>		C	<ul style="list-style-type: none"> • See Note below in additional notes concerning Additional Psychology Courses. • See Note below in additional notes concerning Breadth within Psychology. • CLAS Science and Society: http://clas.asu.edu/scienceandsociety. • See Note below in additional notes concerning Foundations of Behavior. If HU, Awareness Areas,
Upper Division Breadth within Psychology AND Upper Division Social and Behavioral Sciences (SB)	3	<input checked="" type="checkbox"/>		C	
Upper Division Breadth within Psychology	3	<input checked="" type="checkbox"/>		C	
Upper Division CLAS Science and Society Elective	3	<input checked="" type="checkbox"/>		C	
Humanities, Fine Arts and Design (HU) OR Cultural Diversity in the U.S. (C) OR Global Awareness (G) OR	3	<input type="checkbox"/>		C	

<u>Historical Awareness (H)</u> OR <u>Foundations of Behavior</u>					and Foundations of Behavior are completed - Upper Division (300-400 level) University Elective.
Term hours subtotal:	15	12			<ul style="list-style-type: none"> See Note below in additional notes concerning the Upper Division Psychology Residency Requirement.
TERM SIX: 93 CREDIT HOURS Critical course signified by					
<u>PGS 399: Supervised Research</u> OR <u>PSY 499: Individualized Instruction</u> OR <u>PSY 399: Supervised Research</u> OR <u>PSY 492: Honors Directed Study</u> OR <u>PSY 493: Honors Thesis (L)</u>	3	<input checked="" type="checkbox"/>		c	<ul style="list-style-type: none"> See Note below in additional notes concerning Additional Psychology Courses. See Note below in additional notes concerning Foundations of Behavior. If HU, Awareness Areas, and Foundations of Behavior are completed - Upper Division (300-400 level) University Elective.
Complete 2 courses: <u>Upper Division Breadth within Psychology</u>	6	<input checked="" type="checkbox"/>		c	<ul style="list-style-type: none"> See Note below in additional notes concerning Breadth within Psychology.
<u>Upper Division Depth Within Psychology AND</u> <u>Upper Division Literacy and Critical Inquiry (L)</u> OR <u>Upper Division Depth Within Psychology</u>	3	<input checked="" type="checkbox"/>		c	<ul style="list-style-type: none"> See Note below in additional notes concerning Depth within Psychology.
<u>Upper Division Humanities, Fine Arts and Design (HU)</u> OR <u>Upper Division Cultural Diversity in the U.S. (C)</u> OR <u>Upper Division Global Awareness (G)</u> OR <u>Upper Division Historical Awareness (H)</u> OR <u>Upper Division Foundations of Behavior</u>	3	<input checked="" type="checkbox"/>		c	<ul style="list-style-type: none"> See Note below in additional notes concerning the Upper Division Psychology Residency Requirement.
Term hours subtotal:	15	15			
TERM SEVEN: 108 CREDIT HOURS Critical course signified by					
<u>Upper Division Depth within Psychology</u>	3	<input checked="" type="checkbox"/>		C	<ul style="list-style-type: none"> See Note below in additional notes concerning Depth within Psychology.
<u>Upper Division Literacy and Critical Inquiry (L)</u>	3	<input checked="" type="checkbox"/>		C	<ul style="list-style-type: none"> See Depth within Psychology course list for Upper Division Literacy and Critical Inquiry (L) options.
<u>Upper Division Humanities, Fine Arts and Design (HU)</u> OR <u>Upper Division Cultural Diversity in the U.S. (C)</u> OR <u>Upper Division Global Awareness (G)</u> OR <u>Upper Division Historical Awareness (H)</u> OR <u>Upper Division Foundations of Behavior</u>	3	<input checked="" type="checkbox"/>		C (Foundation of Behavior Only)	<ul style="list-style-type: none"> See Note below in additional notes concerning Foundations of Behavior. If HU, Awareness Areas, and Foundation of Behavior are completed - Upper Division (300-400 level) University Elective
Complete 2 courses: <u>Elective</u>	6	<input type="checkbox"/>			<ul style="list-style-type: none"> See Note below in additional notes concerning Upper Division Psychology Residency Requirement.
Term hours subtotal:	15	9			
TERM EIGHT: 120 CREDIT HOURS Critical course signified by					
<u>Upper Division Humanities, Fine Arts and Design (HU)</u> OR <u>Upper Division Cultural Diversity in the U.S. (C)</u> OR <u>Upper Division Global Awareness (G)</u> OR	3	<input checked="" type="checkbox"/>		C (Foundation of Behavior only)	<ul style="list-style-type: none"> See Note below in additional notes concerning Foundations of Behavior. If HU, Awareness Areas, and Foundation of Behavior are completed - Upper

Upper Division Historical Awareness (H) OR Upper Division Foundations of Behavior Upper Division Elective	3	<input checked="" type="checkbox"/>			Division (300-400 level) University Elective. • See Note below in additional notes concerning Upper Division Psychology Residency Requirements.
Complete 3 courses: Elective	9	<input type="checkbox"/>			
Term hours subtotal:	15	6			

Notes:

- All students who are pursuing a bachelor of arts degree in the College of Liberal Arts and Sciences must complete a second language requirement. This requirement has the student show proficiency in a second, non-English language through the fourth semester of college work, which is usually, although not always, designated as the 202 level. Check with an your advisor for the proficiency level of specific languages. The proficiency courses require students to read, write, and speak the language selected, and proficiency requires students to earn a grade of C or better. In the case of French, German and Spanish, students may complete an online placement exam. The exam is found at http://silc.asu.edu/testing/undergraduate/language_placement.
- All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. A list of all approved courses, may be found at <http://clas.asu.edu/scienceandsociety>. At least one of the two courses taken from the list must be upper division. Science and society courses cannot be used to also fill core general studies requirements such as SB, HU, SQ or SG. Only one of the courses taken for science and society can be used to fill a major, minor or related fields requirement. At the far right side of the list, you will see which of the three science and society learning goals are filled by individual courses. When you complete both courses, all three learning goals must be filled in order to complete the requirement. Finally, a grade of C or better must be earned in order for the course to be used to fill the science and society requirement.
- **Total Hours:** 120
- **Upper Division Hours:** 45 minimum
- **Major GPA:** 3.00 minimum
- **Cumulative GPA:** 3.00 minimum
- **Total hrs at ASU:** 30 minimum
- **Hrs Resident Credit for Academic Recognition:** 56 minimum
- **Total Community College Hrs:** 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Fine Arts and Design (HU)
- Social and Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)
- First-Year Composition

General Studies designations listed on the major map are current for the 2011 - 2012 academic year.

Graduation Requirements Summary:

Total Hours (120 minimum)	Total Hrs at ASU (30 minimum)	Hrs Resident Credit for Academic Recognition (56 minimum)	Major GPA (2.000 Min)	Total UD Hrs (45 minimum)	Total Comm. College Hrs. (64 maximum)

General University Requirements: Legend

- General Studies Core Requirements:
 - Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative applications (CS)
 - Humanities, Fine Arts, and Design (HU)
 - Social and Behavioral Sciences (SB)
 - Natural Science-Quantitative (SQ)
 - Natural Science-General (SG)
- General Studies Awareness Requirements
 - Cultural Diversity in the US (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

Additional Notes:

Admission Criteria:

- Earned at least 45 credit hours
- Completed BS in Psychology critical courses (ENG 102, MAT 251 or MAT 270, PGS 101, PSY 230, PSY 290) with a grade of C or better.
- At least an ASU 3.0 CUM GPA

In addition, students must maintain at least a 3.0 Cumulative GPA from admittance through graduation.

- Minimum of 37 hours of Psychology (PGS/PSY) coursework must be taken.
- Upper Division Psychology Residency Requirement: 12 credit hours of PGS/PSY courses must be completed at the Tempe campus.
- There is room in this map to add a concurrent degree, minor, or certificate
Breadth within Psychology: Take 1 course each from 4 of the 5 clusters (4 courses): Biological, Personality/Mental Health, Cognitive/Learning, Developmental or Social.
 - Biological Breadth
PSY 325: Physiological Psychology
 - Cognitive/Learning Breadth

PSY 320: Learning and Motivation

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

- Developmental Breadth
 - PGS 341: Developmental Psychology (SB)
- Personality/Mental Health Breadth
 - PGS 315: Personality Theory and Research (SB)
 - PGS 466: Abnormal Psychology (SB)
- Social Breadth
 - PGS 350: Social Psychology (SB)
 - PGS 351: Honors Social Psychology (L or SB)

- Depth within Psychology: Take 2 additional courses from the list below.

PGS 414: History of Psychology (L or SB)

PSY 420: Analysis of Behavior (L)

PSY 424: Genetic Psychology (L)

PSY 425: Biological Bases of Behavior (L)

PSY 426: Neuroanatomy

PSY 427: Immunoneuropsychology:

Research Foundation

PGS 430: Industrial Psychology

PSY 434: Cognitive Psychology (L)

PSY 437: Human Factors (L)

PGS 441: Cognitive Development (L or SB)

PGS 443: Abnormal Child Psychology (L or

SB)

PGS 444: Adolescent Psychology and

Psychopathology

PGS 445: Child Language and Drawing (SB)

PGS 446: Social Development (L or SB)

PGS 451: Stereotyping, Prejudice, and

Discrimination (L)

PGS 452: Applied Social Psychology (L)

PGS 458: Group Dynamics

PGS 461: Interpersonal Influence (SB)

PGS 462: Health Psychology

PGS 464: Minority Issues in Psychology

- Additional Psychology Courses: PSY 330 Statistical Methods, 6 credit hours of Research Experience (PGS 399, PSY 492, PSY 493, PSY 499)

PSY 330: Statistical Methods (CS)

At least 6 hours from the following research experiences:

PGS 399: Supervised Research

PSY 499: Individualized Instruction

PSY 492: Honors Directed Study

PSY 493: Honors Thesis (L)

PGS 465: Psychology of Stress and Coping

PGS 466: Abnormal Psychology (SB)

PGS 468: Psychology and Law

PGS 471: Psychological Testing

PGS 472: Clinical Psychology

PSY 498: Behavioral Neuroscience Research

PSY 498: Neuroscience of Memory and Aging

PSY 498: Neurobiology Learning and

Memory

PGS 498: Intellectual Disabilities: Autism to

fragile X

PGS 498: Health Promotion in Minority

Populations

PGS 498: Psychology of Addictions

PSY 498: Emotions, Stress, and Health

PGS 498: The Psychology of e-Learning and

Gaming

PSY 498: Embodied Cognition

PSY 498: Dynamics in Psychology

PGS 498: Home Impact on Children

PGS 498: Cross-Cultural Psychology

PGS 498: Diversity and the Psychology of

Women

PGS 498: Psychology of Emotions

- Foundations of Behavior (12 hours required. At least 6 hours from one discipline): Students must complete a minimum of 6 hours of HU courses, three Awareness courses (C, G, and H) and 12 hours of Foundations of Behavior courses; however, with careful selection, courses may be used to fulfill more than one of these requirements.

ASB Elective

ASM Elective

BIO Elective

GCU Elective

HPS Elective
PHI Elective
SOC Elective

10. A completed Appendix document. This information is to be used during the implementation phase to ensure this program appears correctly and completely on Degree Search.

APPENDIX - PROPOSAL TO ESTABLISH A NEW UNDERGRADUATE CONCENTRATION BS in Psychology: Psychological Science

(This information is used to populate the Degree Search/catalog website.
Please consider the student audience in creating your text.)

1. Program Description (150 words maximum)

The Department of Psychology is among the largest and most popular departments on the ASU Tempe campus. Psychology is the study of behavior, emotions and the mental processes of individuals and groups, approached through a scientific methodology. Our mission is to create an environment that prepares undergraduates to take their place in the world, more effective for what they have learned with us; graduates to conduct innovative psychological research and pursue careers that use those skills to the benefit of their community; and faculty to grow in expertise both in teaching and scholarship.

B.S. in Psychology; Psychological Science concentration emphasizes critical thinking and analytic and quantitative skills involved in psychological research to prepare students for graduate study in psychology (to be a researcher, teacher, or clinician).

Students take advanced course work in statistics, and receive hands-on research experience by working with faculty members in the laboratory. Students are exposed to theories and research addressing such fascinating topics as:

- How do children develop?
- How do people remember information over long periods of time?
- How do the mind and body react to stress?
- How can people use social influence to increase compliance?
- Which types of treatments are most effective for individuals who are depressed?

2. Contact and Support Information

Office Location (Building & Room): Psychology Building, Room 237

Campus Telephone Number: 480.967.7598

Program email address: psychology@asu.edu

Program website address: psychology.clas.asu.edu

3. Additional Program Description Information

A. Additional program fee required for this program? Yes No

B. Does this program have a second language requirement? Yes No

4. Career Opportunities & Concentrations Provide a brief description of career opportunities available for this degree program. If program will have concentrations, provide a brief description for each concentration.

The B.S. in psychology emphasizes critical thinking and analytic and quantitative skills involved in psychological research to prepare students for graduate study in psychology (to be a researcher, teacher, or clinician).

Students who complete this degree program may be prepared for the following careers. Advanced degrees or certifications may be required for academic or clinical positions. Career examples include but are not limited to the following:

From O*Net (<http://www.onetonline.org>)

19-3031.02 Clinical Psychologists

19-3039.01 Neuropsychologists and Clinical Neuropsychologists

25-1066.00 Psychology Teachers, Postsecondary

19-3032.00 Industrial-Organizational Psychologists

19-3039.00 Psychologists, All Other

19-3099.00 Social Scientists

5. Additional Admission Requirements If applicable list any admission requirements (freshman and/or transfer students that are higher than and/or in addition to the university minimum undergraduate admission requirements.)

The B.S. in Psychology: Psychological Science concentration is open to students who have:

- Earned at least 45 hours
- Completed BS in Psychology critical courses (PGS 101, PSY 230, PSY 290, ENG 101, ENG 102, MAT 251 OR MAT 270) with a C or better.
- At least an ASU 3.0 CUM GPA

Students must maintain at least a 3.0 CUM GPA from admittance through graduation.

6. Keywords List all keywords used to search for this program. Keywords should be specific to the proposed program.

Psychology, Research, Neuroscience, Clinical Psychology, Counseling, therapy, Behavioral Science, Experimental Psychology, Child Psychology, Developmental Psychology, Social Psychology, Cognitive Psychology, Quantitative Psychology, Psychiatry, Pre Health, Pre Med, Forensic Psychology, Pre Law, Sport Psychology, Evolutionary Psychology, Industrial Psychology, Organizational Psychology, Professor

7. Advising Committee Code List the existing advising committee code associated with this degree.

8. Minimum Math Requirement List the minimum math course required to satisfy this degree.
MAT 251 Calculus for Life Sciences or MAT 270 Calculus with Analytic Geometry

9. Area(s) of Interest

A. Select one (1) primary Area of Interest from the list below that applies to this program.

- | | |
|--|--|
| <input type="checkbox"/> Architecture, Construction & Design | <input type="checkbox"/> Engineering & Technology |
| <input type="checkbox"/> Artistic Expression & Performance | <input type="checkbox"/> Environmental Issues & Physical Science |
| <input checked="" type="checkbox"/> Biological Sciences, Health & Wellness | <input type="checkbox"/> Interdisciplinary Studies |
| <input type="checkbox"/> Business, Management & Economics | <input type="checkbox"/> Languages & Cultures |
| <input type="checkbox"/> Communication & Media | <input type="checkbox"/> Law & Justice |
| <input type="checkbox"/> Computing & Mathematics | <input type="checkbox"/> Social Science, Policies & Issues |
| <input type="checkbox"/> Education & Teaching | |

B. Select any additional Areas of Interest that apply to this program from the list below.

- | | | | |
|--------------------------|---|-------------------------------------|--|
| <input type="checkbox"/> | Architecture, Construction & Design | <input type="checkbox"/> | Environmental Issues & Physical Science |
| <input type="checkbox"/> | Artistic Expression & Performance | <input type="checkbox"/> | Engineering & Technology |
| <input type="checkbox"/> | Biological Sciences, Health & Wellness | <input type="checkbox"/> | Interdisciplinary Studies |
| <input type="checkbox"/> | Business, Management & Economics | <input type="checkbox"/> | Languages & Cultures |
| <input type="checkbox"/> | Communication & Media | <input type="checkbox"/> | Law & Justice |
| <input type="checkbox"/> | Computing & Mathematics | <input checked="" type="checkbox"/> | Social Science, Policies & Issues |
| <input type="checkbox"/> | Education & Teaching | | |

11. Attach other information that will be useful to the review committees and the Office of the Provost.

The grid below compares the current BS in Psychology with the proposed revised BS in Psychology and the proposed BS in Psychology: Psychological Science concentration

	<u>Current:</u> B.S. in Psychology	<u>Revised:</u> B.S. in Psychology	<u>New:</u> B.S. in Psychology (Psychological Science)
Catalog Description	<p>The Department of Psychology is among the largest and most popular departments on the ASU Tempe campus. Psychology is the study of behavior, emotions and the mental processes of individuals and groups, approached through a scientific methodology. Our mission is to create an environment that prepares undergraduates to take their place in the world, more effective for what they have learned with us; graduates to conduct innovative psychological research and pursue careers that use those skills to the benefit of their community; and faculty to grow in expertise and scholarship.</p> <p>B.S. majors take advanced course work in statistics, and receive hands-on research experience by working with faculty members in the laboratory. Students in the B.S. program are exposed to theories and research addressing such fascinating topics</p>	<p>CHANGE</p> <p>The Department of Psychology is among the largest and most popular departments on the ASU Tempe campus. Psychology is the study of behavior, emotions and the mental processes of individuals and groups, approached through a scientific methodology. Our mission is to create an environment that prepares undergraduates to take their place in the world, more effective for what they have learned with us; graduates to conduct innovative psychological research and pursue careers that use those skills to the benefit of their community; and faculty to grow in expertise both in teaching and scholarship.</p> <p>B.S. majors learn about statistics and research methods and use psychology content courses to develop skill sets in</p>	<p>CHANGE</p> <p>The Department of Psychology is among the largest and most popular departments on the ASU Tempe campus. Psychology is the study of behavior, emotions and the mental processes of individuals and groups, approached through a scientific methodology. Our mission is to create an environment that prepares undergraduates to take their place in the world, more effective for what they have learned with us; graduates to conduct innovative psychological research and pursue careers that use those skills to the benefit of their community; and faculty to grow in expertise both in teaching and scholarship.</p> <p>Students take advanced course work in statistics, and receive hands-on research experience by working with faculty members in the laboratory. Students are exposed to</p>

<p>Career Opportunities</p>	<p>as:</p> <ul style="list-style-type: none"> • How do children develop? • How do people remember information over long periods of time? • How do the mind and body react to stress? • How can people use social influence to increase compliance? • Which types of treatments are most effective for individuals who are depressed? 	<p>diverse settings, including the department's child development facilities or internships. Students in the B.S. program are exposed to theories and research addressing such fascinating topics as:</p> <ul style="list-style-type: none"> • How do children develop? • How do people remember information over long periods of time? • How do the mind and body react to stress? • How can people use social influence to increase compliance? • Which types of treatments are most effective for individuals who are depressed? 	<p>theories and research addressing such fascinating topics as:</p> <ul style="list-style-type: none"> • How do children develop? • How do people remember information over long periods of time? • How do the mind and body react to stress? • How can people use social influence to increase compliance? • Which types of treatments are most effective for individuals who are depressed?
	<p>The B.S. in psychology emphasizes critical thinking and analytic and quantitative skills involved in psychological research to prepare students for graduate study in psychology (to be a researcher, teacher, or clinician).</p>	<p>CHANGE:</p> <p>The B.S. in psychology is designed to prepare students to work in a variety of settings that provide opportunities to apply concepts and principles of psychology. This degree provides students the opportunity to develop a</p>	<p>CHANGE:</p> <p>The B.S. in Psychology; Psychological Science concentration emphasizes critical thinking and analytic and quantitative skills involved in psychological research to prepare students for graduate study in psychology (to be a researcher, teacher, or clinician).</p>

		<p>broad range of highly marketable skills, including analytical skills, writing and public speaking skills, and teamwork and leadership skills, as well as valuable computer skills. These skills lead to many career opportunities or graduate degrees in such fields as counseling, social work and family therapy. A B.A. in psychology also leads to professional postgraduate programs in the fields of law and medicine.</p>																						
<p>Example Careers</p>	<p>Students who complete this degree program may be prepared for the following careers. Advanced degrees or certifications may be required for academic or clinical positions. Career examples include but are not limited to the following:</p> <table border="0"> <tr> <td></td> <td style="text-align: center;">*growth</td> <td style="text-align: center;">*median salary</td> </tr> <tr> <td>Child, Family, and School Social Workers</td> <td style="text-align: center;">12.33%</td> <td style="text-align: center;">\$39,960</td> </tr> <tr> <td>Bright</td> <td></td> <td></td> </tr> <tr> <td>Outlook</td> <td></td> <td></td> </tr> <tr> <td>Counselors, All Other</td> <td style="text-align: center;">13.13%</td> <td style="text-align: center;">\$41,320</td> </tr> <tr> <td>Marriage and Family Therapists</td> <td style="text-align: center;">14.46%</td> <td style="text-align: center;">\$46,920</td> </tr> <tr> <td>Probation Officers</td> <td style="text-align: center;">19.28%</td> <td style="text-align: center;">\$46,530</td> </tr> </table>		*growth	*median salary	Child, Family, and School Social Workers	12.33%	\$39,960	Bright			Outlook			Counselors, All Other	13.13%	\$41,320	Marriage and Family Therapists	14.46%	\$46,920	Probation Officers	19.28%	\$46,530	<p style="text-align: center;">NO CHANGE</p>	<p>CHANGE:</p> <p>Students who complete this degree program may be prepared for the following careers. Advanced degrees or certifications may be required for academic or clinical positions. Career examples include but are not limited to the following:</p> <p>From O*Net (http://www.onetonline.org)</p> <p>19-3031.02 - Clinical Psychologists</p> <hr/> <p>19-3039.01 - Neuropsychologists and Clinical Neuropsychologists 25-1066.33 - Psychology Teachers, Postsecondary 19-3032.00 - Industrial-Organizational</p>
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	<p>and Correctional Treatment Specialists</p> <p>Psychologists, All Other 14.44% \$86,540</p> <p>Social Work Teachers, Postsecondary 15.12% \$61,010</p> <p>Social Workers, All Other 12.78% \$49,420</p>		<p>Psychologists</p> <hr/> <p>19-3039.00 - Psychologists, All Other</p> <hr/> <p>19-3099.00 - Social Scientists</p>
Additional Admission Requirements	<p>Open to all students admissible to ASU and change of majors from majors within the College of Liberal Arts and Sciences.</p> <p>Change of majors from other colleges must be in good standing with the University</p>	<p>CHANGE:</p> <p>Open to all in coming freshmen.</p> <p>Current ASU students and new transfer students must:</p> <ul style="list-style-type: none"> • Be in good academic standing • Completed PGS 101, ENG 101 and MAT 170 (C or better). 	<p>CHANGE:</p> <p>Open to students who have:</p> <ul style="list-style-type: none"> • Completed at least 45 hours • Successfully completed BS in Psychology critical courses. • At least an ASU 3.0 CUM GPA <p>Students must maintain at least a 3.0 CUM GPA from admittance through graduation.</p>
Language Requirement	No	NO CHANGE:	NO CHANGE
Minimum Math Requirement	<p>Mat 251 Calculus for Life Sciences or MAT 270 Calculus with Analytic Geometry I</p>	NO CHANGE:	NO CHANGE
Program fee	Yes	NO CHANGE	NO CHANGE
Major Residency	At least 12 credit hours of PGS./PSY coursework offered by the Psychology	NO CHANGE	NO CHANGE

	Department on the Tempe campus		
Major requirements	<p>Foundations of Psychology: PGS 101 Introduction to Psychology PSY 230 Introduction to Statistics PSY 290 Research Methods</p> <p>Breadth within Psychology: Complete 1 course from four of the following 5 clusters: <u>Biological:</u> PSY 325 Physiological Psychology Personality/Mental Health: PGS 315 Personality Theory and Research or PGS 466 Abnormal Psychology <u>Cognitive/Learning:</u> PSY 320 Learning and Motivation, PSY 323 Sensation and Perception or PSY 324 Memory and Cognition <u>Developmental:</u> PGS 341 Developmental Psychology <u>Social:</u> PGS 350 Social Psychology or PGS 351 Honors Social Psychology</p>	NO CHANGE	NO CHANGE
	<p>Depth within Psychology: Complete two additional Psychology courses from the identified list; one must be at the 400 level</p>	NO CHANGE	<p>CHANGE: Depth within Psychology: Complete two additional Psychology courses from the identified list; BOTH at the 400</p>

<p><u>level</u></p> <p>Three required hours unique to concentration</p>	<p>CHANGE:</p> <p>Additional Psychology courses:</p> <p>PSY 330 Statistical Methods</p> <p>6 credit hours of Research Experience (pgs399/psy499/psy492/psy493)</p> <p>NOTE: All nine hours in this area are unique to the Psychological Sciences concentration.</p>	<p>NO CHANGE</p>	<p>CHANGE:</p> <p>Foundations of Behavior: 12 credit hours of coursework from disciplines related to Psychology as identified by the following prefixes: ASB, ASM, BIO, GCU, HPS, PHI, SOC</p> <p>At least two courses need to be from same prefix designation</p> <p>NOTE: Three hours are unique to the Psychological Sciences concentration</p>
	<p>CHANGE:</p> <p>Additional Psychology courses:</p> <p>9 additional hours of PGS/PSY. 6 hours must be at 300-499 level.</p> <p><i>No more than 6 hours (total) from the following list may be used to fulfill this requirement: PGS 394; Undergrad TA, PGS/PSY 399, 484, 492, 493, or 499)</i></p> <p>NOTE: Dropping requirement for research experience and PSY 330</p>	<p>NO CHANGE</p>	<p>NO CHANGE</p>
<p>Additional Psychology courses:</p> <p>3 credit hours of Research Experience</p> <p>PSY 330 Statistical Methods</p> <p>3 credit hours of PGS/PSY coursework</p>		<p>Math:</p> <p>Calculus (MAT 251 Calculus for Life Sciences or MAT 270 Calculus with Analytic Geometry)</p>	<p>Foundations of Behavior:</p> <p>12 credit hours of coursework from disciplines related to Psychology as identified by the following prefixes: ASB, ASM, BIO, GCU, HPS, PHI, SOC</p>
<p>Related Area requirements</p>			