

## GRADUATE CURRICULUM CHANGE MEMO

**Date:** 10/23/23

**From:** Dr. Katherine Serafine, Graduate Program Director, Psychology

**Through:** Dr. Wendy Francis, Chair, Psychology

**Through:** Dean Bencomo, College of Liberal Arts

**To:** Chair, Graduate Council

**Proposal Title:** Reduction of Course Credit Requirements for Psychology Doctoral Degree

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Given the University's new tuition remission policies the Department of Psychology wishes to reduce the total number of required credit hours for completion of a PhD in Psychology. The primary goal is to streamline the expense of obtaining a PhD in Psychology at UTEP, by reducing redundancies and elective credits, while not compromising the integrity and rigor of our program. The proposal includes edits to existing degree plans of study (e.g., trimming of total credit hours primarily through elective course offerings) along with a minor modification of milestones to allow more flexibility across different areas of concentration to facilitate research productivity in line with field-specific needs in the more applied areas of psychology (health and legal psychology) as compared to the more basic science areas of psychology (behavioral neuroscience; bilingualism, language and cognition; and social/cultural psychology). Within this proposal, the degree plans are being truncated from the original 78 credit hours down to 60-66 (with some variance across area of concentration), and the first milestone of our program is being amended to become flexible to either remain as is (a first year project that requires course enrollments and a formal presentation) or be replaced by a comprehensive examination or systematic review in the more applied concentration area of legal psychology. These changes will benefit our students in three ways. First the overall cost of tuition will be reduced significantly, allowing for tuition remission programs to stretch further to cover expenses and reduce out of pocket costs for students. Second, the adjustment in reduction of elective hours will result in students having more time in later years of the program for research in the laboratory. Lastly, the modification to our first programmatic milestone will facilitate more flexibility for the applied areas of psychology (e.g., our legal psychology concentration) to assess comprehensive knowledge in a reasonable time frame, without removing the option for current approaches (first year project) that work well for the more basic science areas of concentration. Below are more specific details about our proposed changes:

### 1) Course Credit Hour Reduction

Our Psychology PhD Program currently requires 78 credit hours which includes a large number of elective slots across a number of areas of concentration. After recently comparing our program to other programs across the country, we learned that 78 credit hours is on the higher end. Further, the minimum number of credit hours needed for a doctoral degree at UTEP is 60. Recently, UTEP through the graduate school began providing tuition remission to doctoral students using a 60 credit hour degree model. Given this model, programs with more than 60 credit hours end up with a situation that negatively impacts students (a larger portion of tuition comes out of pocket for them, than for students in programs with 60 credit hour degree plans). In response to the above, the Psychology Department would like to reduce the total number of credit hours substantially for our 5 concentrations to between 60-66 credit hours (the range is due to some areas being more applied than others, and wanting to retain additional course flexibility for students in the elective section). Specifically the following concentrations have reduced the degree plans to 60 credit hours: behavioral neuroscience; bilingualism, language and cognition; social/cultural psychology and legal psychology. The health psychology concentration will retain 66 credit hours since students in this area of concentration often transfer in masters degrees, and retaining elective slots allows for more flexible transfer of credits.

## **2) Milestone Modification**

For our doctoral program in psychology, students currently have to complete several milestones in addition to course credits. These are listed in the milestones agreement form linked here: [https://www.utep.edu/graduate/\\_files/docs/admission-and-enrollment/milestones/gpsy\\_milestones.pdf](https://www.utep.edu/graduate/_files/docs/admission-and-enrollment/milestones/gpsy_milestones.pdf) and also briefly outlined below. The faculty in the legal psychology area of concentration have expressed challenges related to the first year project milestone, which is difficult to complete due to the more longitudinal nature of the research conducted in this area of psychology. It is not feasible for this area to complete a project within the time frame that would result in a publishable data set. However, faculty do feel that they can replace this project with either a systematic review or comprehensive examination such that students can benefit from the milestone without being negatively impacted by the time constraint need for it to fit into the first year. To allow for this flexibility we propose to amend our milestones in the following way outlined below. This will result in areas of concentration having flexibility to guide students into a path that best fits the research in that particular area, to yield the most productive results for students. The options for the first milestone will either be: 1) completion of a first year project which involves two course enrollments, and a presentation to the Department by Fall during their second year 2) writing of a systematic review in line with the field of study of the masters or dissertation project that would be completed by the start of the student's 4<sup>th</sup> year in the program or 3) pass a comprehensive examination focused on specific area-relevant content in psychology that would be done by the start of a student's 4<sup>th</sup> year in the program.

### **Current Milestones:**

**Preliminary Milestone: First Year Project (completed by year 2)**

**Milestone 2: Masters Thesis (completed before the start of year 4)**  
**Milestone 3: Dissertation Proposal approved (typically during year 4-5)**  
**Milestone 4: Doctoral Candidacy (typically during year 4-5)**  
**Final Milestone: Doctoral Dissertation (completed by the end of year 6-7)**

**New Proposed Milestones:**

**Preliminary Milestone (students can either complete a first year project by the end of year 2, conduct a systematic review by the end of year 4, or pass a comprehensive exam by the end of year 4)**

**Milestone 2: Masters Thesis (completed before the start of year 4)**  
**Milestone 3: Dissertation Proposal approved (typically during year 4-5)**  
**Milestone 4: Doctoral Candidacy (typically during year 4-5)**  
**Final Milestone: Doctoral Dissertation (completed by the end of year 6-7)**

# CURRICULUM PROPOSAL

## APPROVAL PAGE

**Proposal Title:** Reduction of Course Credit Requirements for Psychology Doctoral Degree

**College:** Liberal Arts

**Department:** Psychology

**DEPARTMENT CHAIR-** Wendy Francis, PhD

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I have read the enclosed proposal and approve this proposal on behalf of the department.

10/23/2023

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**Signature**

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**Date**

**COLLEGE CURRICULUM COMMITTEE CHAIR -**

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I have read the enclosed documents and approve the proposal on behalf of the college curriculum committee.

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**Signature**

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**Date**

**COLLEGE DEAN –** Anadeli Bencomo, Ph.D.

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I have read the enclosed documents and approve the proposal on behalf of the college. I certify that the necessary funds will be allocated by the college in support of this proposal.

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**Signature**

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**Date**

## Degree Plan Changes from Catalog Form

Ph.D. in Psychology with Concentration in Health Psychology: **Degree plan now requires 66 credit hours instead of 78**

Code	Title	Hours
<b>Required Core Courses:</b>		
<a href="#">PSYC 6307</a>	Appl Correlation & Regres Meth	3
<a href="#">PSYC 6308</a>	Experimentl Design/Anal of Var	3
<a href="#">PSYC 6334</a>	Foundations of Research	3
<a href="#">PSYC 6380</a>	First Year Research	3
<a href="#">PSYC 6381</a>	First Year Research	3
<a href="#">PSYC 6385</a>	Research Applications	3
<a href="#">PSYC 5395</a>	Thesis	3
<a href="#">PSYC 5396</a>	Thesis	3
<a href="#">PSYC 6398</a>	Dissertation	3
<a href="#">PSYC 6399</a>	Dissertation	3
<b>Breadth Course Requirement</b>		
Select two from the following:		
<a href="#">PSYC 6309</a>	Seminar in Psychopathology	
<a href="#">PSYC 6327</a>	Seminar:Soc/Cultrl Psych (Can be repeated as topics vary with permission from mentor)	
<a href="#">PSYC 6330</a>	Social Behavior	
<a href="#">PSYC 6344</a>	Survey of Legal Psychology	
<a href="#">PSYC 6355</a>	Seminar in General Psychology	

Code	Title	Hours
<a href="#">PSYC 6357</a>	Seminar: Psychology (Can be repeated as topics vary with permission from mentor)	
<a href="#">PSYC 6367</a>	Seminar:Cognitive Psych (Can be repeated as topics vary with permission from mentor)	
<a href="#">PSYC 6371</a>	Animal Learning & Behavior	
<a href="#">PSYC 6372</a>	Behavioral Neuroscience	
PSYC 6374		
<a href="#">PSYC 6376</a>	Developmental Psychology	
<a href="#">PSYC 6377</a>	Seminar: Behavrl Neurosci (Can be repeated as topics vary with permission from mentor)	
<b>Concentration Course Requirement</b>		
<del>Select two from the</del> Complete the following:		
<a href="#">PSYC 6323</a>	Psychometrics	
<a href="#">PSYC 6351</a>	Behavioral Medicine	
<a href="#">PSYC 6352</a>	Public Hlth/Comm Intervention	
Concentration Elective		
Select <del>eleven</del> seven courses from the following:		
<a href="#">PSYC 5396</a>	Thesis (Can be repeated)	
<a href="#">PSYC 6010</a>	Quantitative Cert Suppl Req	
<a href="#">PSYC 6302</a>	Structural Equation Modeling	
<a href="#">PSYC 6303</a>	Seminar in Meta-Analysis	

Code	Title	Hours
<a href="#">PSYC 6304</a>	Categorical Data Analysis	
<a href="#">PSYC 6309</a>	Seminar in Psychopathology	
<a href="#">PSYC 6312</a>	Program Evaluation	
<a href="#">PSYC 6313</a>	Multilevel Modeling	
<a href="#">PSYC 6315</a>	Psychopharmacology	
<a href="#">PSYC 6317</a>	Behav/Mental Hlth Intervention	
<a href="#">PSYC 6318</a>	Seminar in Psych Assessment	
<a href="#">PSYC 6322</a>	Theories/Methods Psychotherapy	
<a href="#">PSYC 6323</a>	Psychometrics	
<a href="#">PSYC 6327</a>	Seminar:Soc/Cultrl Psych (Can be repeated as topics vary with permission from mentor)	
<a href="#">PSYC 6328</a>	Spcl Topics: Soc/Cultrl Psych (Can be repeated as topics vary with permission from mentor)	
<a href="#">PSYC 6330</a>	Social Behavior	
<a href="#">PSYC 6331</a>	Cross-Cultural Rsrch Methods	
<a href="#">PSYC 6335</a>	Research Design/Data Analysis	
<a href="#">PSYC 6342</a>	Special Topics in Psyc & Law (Can be repeated as topics vary with permission from mentor)	
<a href="#">PSYC 6343</a>	Clinicl Issues in Legal Psych	
<a href="#">PSYC 6344</a>	Survey of Legal Psychology	
<a href="#">PSYC 6351</a>	Behavioral Medicine	

Code	Title	Hours
<del>PSYC 6352</del>	<del>Public Hlth/Comm Intervention</del>	
<a href="#">PSYC 6355</a>	Seminar in General Psychology (Can be repeated as topics vary with permission from mentor)	
<a href="#">PSYC 6356</a>	Scientific Writing (Can be repeated up to two times since topics vary, with permission from mentor)	
<a href="#">PSYC 6357</a>	Seminar: Psychology (Can be repeated as topics vary with permission from mentor)	
<a href="#">PSYC 6358</a>	Spcl Topics: Psychology (Can be repeated as topics vary with permission from mentor)	
<a href="#">PSYC 6360</a>	Clinical Internship	
<a href="#">PSYC 6367</a>	Seminar:Cognitive Psych	
<a href="#">PSYC 6368</a>	Spcl Topics: Cognitive Psych (Can be repeated as topics vary with permission from mentor)	
<a href="#">PSYC 6371</a>	Animal Learning & Behavior	
<a href="#">PSYC 6372</a>	Behavioral Neuroscience	
<a href="#">PSYC 6377</a>	Seminar: Behavrl Neurosci	
<a href="#">PSYC 6378</a>	Spcl Topics: Behavrl Neurosci (Can be repeated as topics vary with permission from mentor)	
<a href="#">PSYC 6385</a>	Research Applications (Can be repeated beyond what is included in required core courses.)	



Code	Title	Hours
<a href="#">PSYC 6390</a>	Field Placement	
<a href="#">PSYC 6399</a>	Dissertation (Can be repeated beyond what is included in required core courses.)	
Other courses with the health focus from PSYC or other departments can be substituted with approval from the area on a case by case basis. Approval should be sought well in advance of the semester beginning to avoid delays to financial aid and registration.		
Course List		

**Ph.D. in Psychology with Concentration in Legal Psychology: Degree plan now requires 60 credit hours instead of 78**

Code	Title	Hours
<b>Required Core Courses</b>		
<a href="#">PSYC 6307</a>	Appl Correlation & Regres Meth	3
<a href="#">PSYC 6308</a>	Experimentl Design/Anal of Var	3
<del><a href="#">PSYC 6334</a></del>	<del>Foundations of Research</del>	<del>3</del>
<del><a href="#">PSYC 6380</a></del>	<del>First Year Research</del>	<del>3</del>
<del><a href="#">PSYC 6381</a></del>	<del>First Year Research</del>	<del>3</del>
<a href="#">PSYC 6385</a>	Research Applications ( <del>Must be taken twice</del> )	<del>6</del> 3
<a href="#">PSYC 5395</a>	Thesis	3
<a href="#">PSYC 5396</a>	Thesis	3
<a href="#">PSYC 6398</a>	Dissertation	3
<a href="#">PSYC 6399</a>	Dissertation	3
<b>Breadth Course Requirement</b>		
Select two from the following:		
<a href="#">PSYC 6309</a>	Seminar in Psychopathology	
<a href="#">PSYC 6327</a>	Seminar:Soc/Cultrl Psych	
<a href="#">PSYC 6330</a>	Social Behavior	
<a href="#">PSYC 6357</a>	Seminar: Psychology	
<a href="#">PSYC 6367</a>	Seminar:Cognitive Psych	
<a href="#">PSYC 6371</a>	Animal Learning & Behavior	
<a href="#">PSYC 6372</a>	Behavioral Neuroscience	
<a href="#">PSYC 6376</a>	Developmental Psychology	

Code	Title	Hours
<a href="#">PSYC 6377</a>	Seminar: Behavrl Neurosci	
Other courses as approved by faculty		
<b>Concentration Course Requirement</b>		
Required:		
<a href="#">PSYC 6344</a>	Survey of Legal Psychology	3
Select 9 hours from the following		
<a href="#">PSYC 6342</a>	Special Topics in Psyc & Law (Can be repeated)	3
<a href="#">PSYC 6343</a>	Clinicl Issues in Legal Psych	3
Select one additional course from below:		
<a href="#">PSYC 6302</a>	Structural Equation Modeling	
<a href="#">PSYC 6303</a>	Seminar in Meta-Analysis	
<a href="#">PSYC 6304</a>	Categorical Data Analysis	
<a href="#">PSYC 6313</a>	Multilevel Modeling	
<a href="#">PSYC 6323</a>	Psychometrics	
<a href="#">PSYC 6335</a>	Research Design/Data Analysis	
<b>Concentration Elective</b>		
Select two from the following:		
<a href="#">PSYC 6302</a>	Structural Equation Modeling	
<a href="#">PSYC 6303</a>	Seminar in Meta-Analysis	
<a href="#">PSYC 6304</a>	Categorical Data Analysis	
<a href="#">PSYC 6312</a>	Program Evaluation	

Code	Title	Hours
<a href="#">PSYC 6313</a>	Multilevel Modeling	
<a href="#">PSYC 6317</a>	Behav/Mental Hlth Intervention	
<a href="#">PSYC 6323</a>	Psychometrics	
<a href="#">PSYC 6335</a>	Research Design/Data Analysis	
<a href="#">PSYC 6356</a>	Scientific Writing (Can be repeated)	
<a href="#">PSYC 6390</a>	Field Placement (Can be repeated)	
<b>Psychology Electives</b>		
Select <del>six</del> <b>four</b> courses:		
<a href="#">PSYC 5396</a>	Thesis (Can be repeated)	
<a href="#">PSYC 6010</a>	Quantitative Cert Suppl Req	
<a href="#">PSYC 6302</a>	Structural Equation Modeling	
<a href="#">PSYC 6303</a>	Seminar in Meta-Analysis	
<a href="#">PSYC 6304</a>	Categorical Data Analysis	
<a href="#">PSYC 6309</a>	Seminar in Psychopathology	
<a href="#">PSYC 6312</a>	Program Evaluation	
<a href="#">PSYC 6313</a>	Multilevel Modeling	
<a href="#">PSYC 6315</a>	Psychopharmacology	
<a href="#">PSYC 6317</a>	Behav/Mental Hlth Intervention	
<a href="#">PSYC 6318</a>	Seminar in Psych Assessment	
<a href="#">PSYC 6322</a>	Theories/Methods Psychotherapy	
<a href="#">PSYC 6323</a>	Psychometrics	
<a href="#">PSYC 6327</a>	Seminar:Soc/Cultrl Psych	

Code	Title	Hours
<a href="#">PSYC 6328</a>	Spcl Topics: Soc/Cultrl Psych	
<a href="#">PSYC 6330</a>	Social Behavior	
<a href="#">PSYC 6335</a>	Research Design/Data Analysis	
<a href="#">PSYC 6342</a>	Special Topics in Psyc & Law	
<a href="#">PSYC 6343</a>	Clinicl Issues in Legal Psych	
<a href="#">PSYC 6351</a>	Behavioral Medicine	
<a href="#">PSYC 6355</a>	Seminar in General Psychology	
<a href="#">PSYC 6356</a>	Scientific Writing	
<a href="#">PSYC 6357</a>	Seminar: Psychology	
<a href="#">PSYC 6358</a>	Spcl Topics: Psychology	
<a href="#">PSYC 6360</a>	Clinical Internship (Can be repeated up to two times)	
<a href="#">PSYC 6367</a>	Seminar:Cognitive Psych	
<a href="#">PSYC 6371</a>	Animal Learning & Behavior	
<a href="#">PSYC 6372</a>	Behavioral Neuroscience	
<a href="#">PSYC 6377</a>	Seminar: Behavrl Neurosci	
<a href="#">PSYC 6378</a>	Spcl Topics: Behavrl Neurosci	
<a href="#">PSYC 6385</a>	Research Applications (Can be repeated )	
<a href="#">PSYC 6334</a>	Foundations of Research	
<a href="#">PSYC 6390</a>	Field Placement	
<a href="#">PSYC 6399</a>	Dissertation (Can be repeated )	
Course List		

**Ph.D. in Psychology with Concentration in Social-Cultural Psychology: Degree plan now requires 60 credit hours instead of 78**

Code	Title	Hours
<b>Required Core Courses</b>		
Required:		
<a href="#">PSYC 6307</a>	Appl Correlation & Regres Meth	3
<a href="#">PSYC 6308</a>	Experimentl Design/Anal of Var	3
<a href="#">PSYC 6334</a>	Foundations of Research	3
<a href="#">PSYC 6380</a>	First Year Research	3
<a href="#">PSYC 6381</a>	First Year Research	3
<a href="#">PSYC 6385</a>	Research Applications (Must be taken twice)	6
<a href="#">PSYC 5395</a>	Thesis	3
<a href="#">PSYC 5396</a>	Thesis	3
<a href="#">PSYC 6398</a>	Dissertation	3
<a href="#">PSYC 6399</a>	Dissertation	3
Select one of the following:		
<a href="#">PSYC 6302</a>	Structural Equation Modeling	
<a href="#">PSYC 6303</a>	Seminar in Meta-Analysis	
<a href="#">PSYC 6304</a>	Categorical Data Analysis	
<a href="#">PSYC 6312</a>	Program Evaluation	
<a href="#">PSYC 6313</a>	Multilevel Modeling	
<a href="#">PSYC 6323</a>	Psychometrics	
<a href="#">PSYC 6335</a>	Research Design/Data Analysis	

Code	Title	Hours
or other course approved by area faculty.		
<b>Three options to fulfill Breadth course requirement</b>		
Select one option:		
Option one: Psychology		
Select Two Courses:		
<a href="#">PSYC 6344</a>	Survey of Legal Psychology	
<a href="#">PSYC 6367</a>	Seminar:Cognitive Psych (May be repeated as topics vary)	
<a href="#">PSYC 6372</a>	Behavioral Neuroscience	
PSYC 6374		
<a href="#">PSYC 6376</a>	Developmental Psychology	
<a href="#">PSYC 6377</a>	Seminar: Behavrl Neurosci (May be repeated as topics vary)	
Option Two: Quantitative Methods		
Select two courses:		
<a href="#">PSYC 6302</a>	Structural Equation Modeling	
<a href="#">PSYC 6303</a>	Seminar in Meta-Analysis	
<a href="#">PSYC 6304</a>	Categorical Data Analysis	
<a href="#">PSYC 6312</a>	Program Evaluation	
<a href="#">PSYC 6313</a>	Multilevel Modeling	
<a href="#">PSYC 6323</a>	Psychometrics	
<a href="#">PSYC 6335</a>	Research Design/Data Analysis (May be repeated as topics vary)	
Option Three: Customized Plan		
Select two courses:		

Code	Title	Hours
Students who pursue a customized plan must obtain formal approval of the plan by a vote of the area faculty		
<b>Required Concentration Courses</b>		
Select three courses:		
<a href="#">PSYC 6327</a>	Seminar:Soc/Cultrl Psych (Maybe taken up to three times as topics vary)	
<a href="#">PSYC 6328</a>	Spcl Topics: Soc/Cultrl Psych (Maybe taken up to three times as topics vary)	
<b>Concentration Electives</b>		
Select <del>nine</del> six courses: (Special topics and seminar courses can be repeated as topics vary)		
<a href="#">BIOL 6131</a>	Ethical, Soc/Pol Dimensions	
<a href="#">PSYC 5396</a>	Thesis (Can be repeated)	
<a href="#">PSYC 6302</a>	Structural Equation Modeling	
<a href="#">PSYC 6303</a>	Seminar in Meta-Analysis	
<a href="#">PSYC 6304</a>	Categorical Data Analysis	
<a href="#">PSYC 6312</a>	Program Evaluation	
<a href="#">PSYC 6313</a>	Multilevel Modeling	
<a href="#">PSYC 6323</a>	Psychometrics	
<a href="#">PSYC 6327</a>	Seminar:Soc/Cultrl Psych	
<a href="#">PSYC 6328</a>	Spcl Topics: Soc/Cultrl Psych	
<a href="#">PSYC 6330</a>	Social Behavior	
<a href="#">PSYC 6331</a>	Cross-Cultural Rsrch Methods	
<a href="#">PSYC 6335</a>	Research Design/Data Analysis	
<a href="#">PSYC 6342</a>	Special Topics in Psyc & Law	
<a href="#">PSYC 6344</a>	Survey of Legal Psychology	



Code	Title	Hours
<a href="#">PSYC 6355</a>	Seminar in General Psychology	
<a href="#">PSYC 6357</a>	Seminar: Psychology	
<a href="#">PSYC 6358</a>	Spcl Topics: Psychology	
<a href="#">PSYC 6367</a>	Seminar:Cognitive Psych	
<a href="#">PSYC 6368</a>	Spcl Topics: Cognitive Psych	
<a href="#">PSYC 6372</a>	Behavioral Neuroscience	
<a href="#">PSYC 6377</a>	Seminar: Behavrl Neurosci	
<a href="#">PSYC 6378</a>	Spcl Topics: Behavrl Neurosci	
<a href="#">PSYC 6385</a>	Research Applications (Can be repeated <del>beyond what is included in the required core courses</del> )	
<a href="#">PSYC 6399</a>	Dissertation (Can be repeated beyond what is included in the required core courses)	
Additional courses may be approved by advisor		
Course List		

**Ph.D. in Psychology with Concentration in Behavioral Neuroscience: Degree plan now requires 60 credit hours instead of 78**

Code	Title	Hours
<b>Required Core Courses</b>		
<a href="#">PSYC 6307</a>	Appl Correlation & Regres Meth	3
<a href="#">PSYC 6308</a>	Experimentl Design/Anal of Var	3
<a href="#">PSYC 6380</a>	First Year Research	3
<a href="#">PSYC 6381</a>	First Year Research	3
<a href="#">PSYC 6385</a>	Research Applications <del>(Must be taken twice)</del>	<del>6</del> 3
<a href="#">PSYC <del>5395</del> 6385</a>	Thesis	3
<a href="#">PSYC <del>5396</del> 6386</a>	Thesis	3
<a href="#">PSYC 6398</a>	Dissertation	3
<a href="#">PSYC 6399</a>	Dissertation	3
<b>Breadth Course Requirement</b>		
Select <del>three</del> two courses:		
<a href="#">PSYC 6351</a>	Behavioral Medicine	
<a href="#">PSYC 6327</a>	Seminar:Soc/Cultrl Psych	
<a href="#">PSYC 6355</a>	Seminar in General Psychology (*)	
<a href="#">PSYC 6356</a>	Scientific Writing	
<a href="#">PSYC 6357</a>	Seminar: Psychology (Can be repeated as topics vary)	
<a href="#">PSYC 6367</a>	Seminar:Cognitive Psych (Can be repeated as topics vary)	
PSYC 6374		
<a href="#">PSYC 6376</a>	Developmental Psychology	

Code	Title	Hours
Other courses can be approved by area vote		
*Topics Ethics and Professional Development, and Grant Writing are recommended, others must be approved by advisor		
<b>Required Concentration Courses</b>		
Select three courses:		
<a href="#">PSYC 6315</a>	Psychopharmacology	
<a href="#">PSYC 6371</a>	Animal Learning & Behavior	
<a href="#">PSYC 6372</a>	Behavioral Neuroscience	
<a href="#">PSYC 6377</a>	Seminar: Behavrl Neurosci (Can be repeated)	
<a href="#">PSYC 6378</a>	Spcl Topics: Behavrl Neurosci (Can be repeated)	
<b>Concentration Electives</b>		
Select <del>ten</del> six courses:		
<a href="#">BIOL 6303</a>	Gene Regulation	
<a href="#">BIOL 6308</a>	Rsrch Funding & Prof Developmt	
<a href="#">BIOL 6310</a>	Adv Research Techniques	
<a href="#">BIOL 6311</a>	Neurobiology of Brain Diseases	
<a href="#">BIOL 6319</a>	G Protein-Coupled Recept Biol	
<a href="#">BIOL 6321</a>	Select Adv Topics Biol Science	
<a href="#">PSYC 6302</a>	Structural Equation Modeling	
<a href="#">PSYC 6303</a>	Seminar in Meta-Analysis	
<a href="#">PSYC 6304</a>	Categorical Data Analysis	
<a href="#">PSYC 6312</a>	Program Evaluation	
<a href="#">PSYC 6313</a>	Multilevel Modeling	

Code	Title	Hours
<a href="#">PSYC 6315</a>	Psychopharmacology	
<a href="#">PSYC 6323</a>	Psychometrics	
<a href="#">PSYC 6327</a>	Seminar:Soc/Cultrl Psych	
<a href="#">PSYC 6334</a>	Foundations of Research	
<a href="#">PSYC 6335</a>	Research Design/Data Analysis	
<a href="#">PSYC 6351</a>	Behavioral Medicine	
<a href="#">PSYC 6352</a>	Public Hlth/Comm Intervention	
<a href="#">PSYC 6355</a>	Seminar in General Psychology (If the specific topic is related to neuroscience and approved by area)	
<a href="#">PSYC 6356</a>	Scientific Writing	
<a href="#">PSYC 6367</a>	Seminar:Cognitive Psych	
<a href="#">PSYC 6371</a>	Animal Learning & Behavior	
<a href="#">PSYC 6372</a>	Behavioral Neuroscience	
<a href="#">PSYC 6376</a>	Developmental Psychology	
<a href="#">PSYC 6377</a>	Seminar: Behavrl Neurosci (Can be repeated )	
<a href="#">PSYC 6378</a>	Spcl Topics: Behavrl Neurosci (Can be repeated )	
<a href="#">PSYC 6385</a>	Research Applications (Can be repeated beyond what is included in Required Core Courses)	
<a href="#">PSYC 6396</a>	Thesis (Can be repeated beyond what is included in Required Core Courses)	
<a href="#">PSYC 6399</a>	Dissertation (Can be repeated beyond what is included in Required Core Courses)	
Course List		

**Ph.D. in Psychology with Concentration in Bilingualism, Language and Cognition: Degree plan now requires 60 credit hours instead of 78**

Code	Title	Hours
<b>Required Core Courses</b>		
<a href="#">PSYC 6307</a>	Appl Correlation & Regres Meth	3
<a href="#">PSYC 6308</a>	Experimentl Design/Anal of Var	3
<a href="#">PSYC 6380</a>	First Year Research <sup>c</sup>	3
or <a href="#">LING 5370</a>	Study in Language	
or <a href="#">SLP 5342</a>	Probs and Proj in SLP	
<a href="#">PSYC 6381</a>	First Year Research <sup>c</sup>	3
<a href="#">PSYC 6385</a>	Research Applications <sup>c, 1</sup>	<del>3</del> -6
or <a href="#">LING 5370</a>	Study in Language	
or <a href="#">SLP 5342</a>	Probs and Proj in SLP	
<a href="#">PSYC 5395</a>	Thesis	3
or <a href="#">LING 5398</a>	Thesis	
or <a href="#">SLP 5398</a>	Thesis	
<a href="#">PSYC 5396</a>	Thesis	3
or <a href="#">LING 5399</a>	Thesis	
or <a href="#">SLP 5399</a>	Thesis	
<a href="#">PSYC 6398</a>	Dissertation	3
<a href="#">PSYC 6399</a>	Dissertation	3
Select one additional course from the following:		
<a href="#">PSYC 6302</a>	Structural Equation Modeling	

Code	Title	Hours
<a href="#">PSYC 6303</a>	Seminar in Meta-Analysis	
<a href="#">PSYC 6304</a>	Categorical Data Analysis	
<a href="#">PSYC 6312</a>	Program Evaluation	
<a href="#">PSYC 6313</a>	Multilevel Modeling	
<a href="#">PSYC 6323</a>	Psychometrics	
<a href="#">PSYC 6335</a>	Research Design/Data Analysis	
<a href="#">SPLP 5320</a>	Res Design in Comm Disorders	

### **Breadth Course Requirement**

Select any two courses from the sections below for a total of six credits:

#### Psychology Breadth Courses

<a href="#">PSYC 6322</a>	Theories/Methods Psychotherapy	
<a href="#">PSYC 6309</a>	Seminar in Psychopathology	
<a href="#">PSYC 6312</a>	Program Evaluation	
<a href="#">PSYC 6315</a>	Psychopharmacology	
<a href="#">PSYC 6330</a>	Social Behavior	
<a href="#">PSYC 6334</a>	Foundations of Research	
<a href="#">PSYC 6342</a>	Special Topics in Psyc & Law	
<a href="#">PSYC 6344</a>	Survey of Legal Psychology	
<a href="#">PSYC 6351</a>	Behavioral Medicine	
<a href="#">PSYC 6355</a>	Seminar in General Psychology (May be repeated as topics vary)	
<a href="#">PSYC 6356</a>	Scientific Writing	
<a href="#">PSYC 6371</a>	Animal Learning & Behavior	

Code	Title	Hours
<a href="#">PSYC 6372</a>	Behavioral Neuroscience	
<a href="#">PSYC 6376</a>	Developmental Psychology	
<a href="#">PSYC 6377</a>	Seminar: Behavrl Neurosci (May be repeated as topics vary)	
Linguistics Breadth Courses		
<a href="#">LING 5301</a>	Principles of Ling Analysis	
<a href="#">LING 5309</a>	Generative Syntax	
<a href="#">LING 5320</a>	Phonology	
<a href="#">LING 5348</a>	Second Language Acquisition	
<a href="#">LING 5370</a>	Study in Language	
<a href="#">LING 5388</a>	Bilingualism	
Speech-Language Pathology Breadth Courses		
<a href="#">SPLP 5320</a>	Res Design in Comm Disorders	
<a href="#">SPLP 5360</a>	Aphasia and Related Disorders	
<a href="#">SPLP 5362</a>	Lang Disorder/Sch. Aged Child	
<a href="#">SPLP 5366</a>	Comm Disorders and Literacy	
<a href="#">SPLP 5372</a>	Probs-Proj in Spch Lang Path	
<a href="#">SPLP 5376</a>	Multicult/Multiling Issues	
Quantitative Psychology Breadth Courses		
<a href="#">PSYC 6302</a>	Structural Equation Modeling	
<a href="#">PSYC 6303</a>	Seminar in Meta-Analysis	
<a href="#">PSYC 6304</a>	Categorical Data Analysis	
<a href="#">PSYC 6312</a>	Program Evaluation	

Code	Title	Hours
<a href="#">PSYC 6313</a>	Multilevel Modeling	
<a href="#">PSYC 6323</a>	Psychometrics	
<a href="#">PSYC 6355</a>	Seminar in General Psychology (May be repeated as topics vary )	
<a href="#">SPLP 5320</a>	Res Design in Comm Disorders	
<b>Required Concentration Courses</b>		
<a href="#">PSYC 6355</a>	Seminar in General Psychology (Can be repeated as topics vary)	3
<a href="#">PSYC 6367</a>	Seminar:Cognitive Psych (Can be repeated as topics vary)	3
<a href="#">PSYC 6368</a>	Spcl Topics: Cognitive Psych (Can be repeated as topics vary)	3
<b>Electives</b>		
Select <del>ten</del> <b>four</b> courses:		
<a href="#">BIOL 6131</a>	Ethical, Soc/Pol Dimensions	
<a href="#">LING 5107</a>	Seminar-Spec Topics Linguistic	
<a href="#">LING 5301</a>	Principles of Ling Analysis	
<a href="#">LING 5309</a>	Generative Syntax	
<a href="#">LING 5320</a>	Phonology	
<a href="#">LING 5348</a>	Second Language Acquisition	
<a href="#">LING 5370</a>	Study in Language	
<a href="#">LING 5373</a>	Linguistic Variation	
<a href="#">LING 5374</a>	Language Testing	
<a href="#">LING 5388</a>	Bilingualism	
<a href="#">PSYC 6302</a>	Structural Equation Modeling	
<a href="#">PSYC 6303</a>	Seminar in Meta-Analysis	



Code	Title	Hours
<a href="#">PSYC 6304</a>	Categorical Data Analysis	
<a href="#">PSYC 6312</a>	Program Evaluation	
<a href="#">PSYC 6323</a>	Psychometrics	
<a href="#">PSYC 6327</a>	Seminar:Soc/Cultrl Psych	
<a href="#">PSYC 6328</a>	Spcl Topics: Soc/Cultrl Psych	
<a href="#">PSYC 6330</a>	Social Behavior	
<a href="#">PSYC 6334</a>	Foundations of Research	
<a href="#">PSYC 6335</a>	Research Design/Data Analysis	
<a href="#">PSYC 6342</a>	Special Topics in Psyc & Law	
<a href="#">PSYC 6344</a>	Survey of Legal Psychology	
<a href="#">PSYC 6355</a>	Seminar in General Psychology	
<a href="#">PSYC 6357</a>	Seminar: Psychology	
<a href="#">PSYC 6358</a>	Spcl Topics: Psychology	
<a href="#">PSYC 6368</a>	Spcl Topics: Cognitive Psych	
<a href="#">PSYC 6372</a>	Behavioral Neuroscience	
<a href="#">PSYC 6377</a>	Seminar: Behavrl Neurosci	
<a href="#">PSYC 6378</a>	Spcl Topics: Behavrl Neurosci	
<a href="#">PSYC 6385</a>	Research Applications (Can be repeated beyond what is included in required core courses.)	
or <a href="#">LING 5370</a>	Study in Language	
or <a href="#">SLP 5342</a>	Probs and Proj in SLP	
<a href="#">PSYC 5396</a>	Thesis	
<a href="#">PSYC 6399</a>	Dissertation (Can be repeated beyond what is included in required core courses.)	

Code	Title	Hours
<a href="#">SPLP 5320</a>	Res Design in Comm Disorders	
<a href="#">SPLP 5330</a>	Diff Diag of Comm Disorders	
<a href="#">SPLP 5359</a>	Fluency Disorders	
<a href="#">SPLP 5360</a>	Aphasia and Related Disorders	
<a href="#">SPLP 5362</a>	Lang Disorder/Sch. Aged Child	
<a href="#">SPLP 5366</a>	Comm Disorders and Literacy	
<a href="#">SPLP 5372</a>	Probs-Proj in Spch Lang Path	
<a href="#">SPLP 5376</a>	Multicult/Multiling Issues	
Course List		

**c**

Alternative substitutions include LING 5370 Independent Research or SPLP 5372 Problems/Projects in SLP.

**1**

Can mix and match as needed but must complete six credit hours total and at least three credits with a faculty member who isn't the primary mentor.