

## B.S. Dual Major for Computer Science and Cognitive Psychology

### Revision of June 23, 2008

*This degree program requires 132 SH of credit*

The College of Computer and Information Science and the Department of Psychology reserve the right to modify the curriculum described in this document or the individual courses as necessary in the future.

<b>Computer Science (41 SH: 9 @ 4 SH, 5 @ 1 SH)</b>	<b>Psychology (36 SH: 9 @ 4 SH)</b>
<i>Computer Science Required Courses (33 SH)</i>	<i>Psychology Required Courses (16 SH)</i>
CS U200 Discrete Structures & CS U201 (0 SH)	PSY U101 Foundations of Psychology
CS U211 Fund of Computer Science 1 & CS U212 (1 SH)	PSY U320 Statistics in Psychological Research
CS U213 Fund of Computer Science 2 & CS U214 (1 SH)	<i>If the lab PSY U321 is offered, then take it.</i>
CS U221 CS/IS Overview 1 (1 SH)	PSY U464 Psychology of Language
CS U222 CS/IS Overview 2 (1 SH)	PSY U466 Cognition
CS U370 Object-Oriented Design	
CS U390 Theory of Computation	<i>Choose one of the following (4 SH)</i>
CS U520 Artificial Intelligence	PSY U452 Introduction to Sensation & Perception
CS U600 Senior Seminar (1 SH)	PSY U458 Psychobiology
IS U570 Human Computer Interaction	
	<i>Choose one of the following laboratory courses (4 SH)</i>
<i>Computer Science Elective Courses (8 SH)</i>	PSY U610 Laboratory in Psycholinguistics
CS Elective 1	PSY U612 Laboratory in Cognition
CS Elective 2	PSY U622 Laboratory in Sensation & Perception
<i>CS elective: CS U380 or higher or IS U535</i>	
	<i>Choose one of the following seminar courses (4 SH)</i>
<b>English (8 SH: 2 @ 4 SH)</b>	PSY U658 Seminar in Psycholinguistics
ENG U111 College Writing	PSY U660 Seminar in Cognition
ENG U302 Adv Writing in the Technical Professions	PSY U668 Seminar in Sensation & Perception
<i>With permission, may substitute ENG U301 for ENG U302</i>	
	<i>Choose two Psychology electives from the following (8 SH)</i>
<b>Mathematics (4 SH: 1 @ 4 SH)</b>	PSY U402 Social Psychology
MTH U241 Calculus 1	PSY U450 Learning and Motivation
	PSY U520 Language and the Brain
<b>A&amp;S Core Requirements (20 SH: 5 @ 4 SH)</b>	PSY U522 Psychology of Reading
Category II: Methods of Inquiry	PSY U524 Language and Cognitive Development
<i>Choose PHL U215 Symbolic Logic</i>	PSY U526 Categorization and Reasoning
<i>Choose one from Arts, Humanities, or Social World</i>	PSY U652 Seminar in Ethics in Psychology
Category III: Diversity	<i>Or any of the following if not used above:</i>
<i>Choose one</i>	PSY U452, PSY U458
Category IV: Historical, Ethical, Aesthetic	PSY U610, PSY U612, PSY U622
<i>Choose one</i>	PSY U658, PSY U660, PSY U668
Category V: Analysis	
<i>Choose SOC U528 Computers and Society</i>	<b>Integrative Courses (4-8 SH: 1-2 @ 4 SH)</b>
<i>Students may not fulfill any Core Requirements by taking courses in science or mathematics.</i>	<i>Choose one of the following options:</i>
	A: CS U670 Software Development
<b>General Electives (16-20 SH: 4-5 @ 4 SH)</b>	B: PSY U970 & PSY U971 (2 semesters)
Elective 1	Junior/Senior Honors Project 1 and 2
Elective 2	<i>Either choice satisfies the experiential education requirement.</i>
Elective 3	
Elective 4	
Elective 5	
<i>The Core curriculum courses and general electives must be consistent with the policy on general electives articulated by the College of Computer and Information Science in the Student Guidebook and on the college web site.</i>	<i>See also CS U520 Artificial Intelligence</i>