Undergraduate Major in COGNITIVE SCIENCE (Catalog Year 2023-24)

Requires 40 credits, at most 21 in any one department. The CLAS requirements for all any one departments. The CLAS requirements for all any 18 degree apply. At most 6 transfer credits may be applied to the plan. All courses no plan require a grade of \$\frac{C}{1}(7)\$ or higher. 1. Core Courses (16 credits) COGS 2201 Foundations of Cognitive Science (1 credit) Four of the following: CSE 4705 Artificial Intelligence LING 2010Q The Science of Linguistics LING 2010Q The Science of Linguistics LING 2010Q The Science of Linguistics PHIL 323SOW Philosophy of Mind PSYC 2501 Cognitive Psychology Starts 424SW Neurosci. Cog. & Comm. Disorders 2. Research (6 credits) Statistics (me of the following, for at least 3 credits): STAT 302SQ Statistical Methods (Calculus level) Methods (one of the following, for at least 3 credits): ANTH 300Q Foundation to Statistics II STAT 302SQ Statistical Methods (Calculus level) Methods (one of the following, for at least 3 credits): ANTH 300A Cultural Research (if elected for 3 credits) ANTH 300B Foundation to Statistics II PSYC 230D W Labin In Eventor (if elected for 3 credits) ANTH 300B Foundation on Statistics II PSYC 230D W Labin in Cognition PSYC 350W Lab in Animal Behavior & Learning PSYC 325W Labin in Scontain of the following for at least 3 credits): PSYC 350W Labin in Cognition SLHS 4123 Biology of the Brain PSYC 350D Syntax of the state of the properties of	General Requirements	4. Advanced Courses* (12 credits)
All courses on plan require a grade of \$\inplue\$ (1.7) or higher. All courses on plan require a grade of \$\inplue\$ (2.7) or higher. COGS 2201 Foundations of Cognitive Science COGS 2384 Seminar in Cognitive Science (1 credit) Four of the following: ANTH 3200 Cognitive Anthropology CSE 4705 Artificial Intelligence LING 2010Q The Science of Linguistics PHIL 32500 Philosophy of Mind PSYC 2501 Cognitive Psychology SLHS 4245/W Neurosci. Cog. & Comm. Disorders Research (6 credits) Statistics one of the following, for at least 3 credits): PSYC 2100(W)Q Principles of Research in Psych. STAT 2125 Q Introduction to Statistics II STAT 3025 Q Statistical Methods (Calculus level) Methods (one of the following, for at least 3 credits): ANTH 3003 Field Res. in Anth (if elected for \$\frac{1}{2}\$ credits) ANTH 3003 Field Res. in Soc. Sect. (if elected for \$\frac{1}{2}\$ credits) ANTH 3004 Cultural Research (if elected for \$\frac{1}{2}\$ credits) ANTH 3005 Polity High Psychology PSYC 3250 W Lab in Despetimental Linguistics PSYC 3250W Lab in Animal Behavior & Learning PSYC 3250W Lab in Animal Behavior & Learning PSYC 3250W Lab in Soc. Sect. (if elected for \$\frac{1}{2}\$ credits) All least 5 credits or requirement when the section of the following for at least 3 credits): PSYC 3250W Lab in Soc. Sect. (if elected for \$\frac{1}{2}\$ credits) ANTH 3008 Linguistics PSYC 350W Lab in Despetimental Psychology PSYC 351W Lab in Psychology of Language Acquistion of the section of the following for the section of th	Requires 40 credits, at most 21 in any one department.	
ANTH 3200 Human Behavioral Ecology ANTH 3402 Religion and Mind COGS 2201 Foundations of Cognitive Science COGS 3584 Seminar in Cognitive Science (1 credit) Four of the following: ANTH 3250 Cognitive Anthropology CSE 4705 Artificial Intelligence LING 2010Q The Science of Linguistics PHII. 3250/W Philosophy of Mind PSYC 2501 Cognitive Psychology SLHS 4245/W Neurosci. Cog. & Comm. Disorders PSYC 2510 Cognitive Psychology SLHS 4245/W Neurosci. Cog. & Comm. Disorders PSYC 2510 Cognitive Psychology SLHS 4245/W Neurosci. Cog. & Comm. Disorders PSYC 2510 Cognitive Psychology SLHS 4245/W Neurosci. Cog. & Comm. Disorders PSYC 2510 Cognitive Psychology SLHS 4254/W Neurosci. Cog. & Comm. Disorders PSYC 2510 Cognitive Psychology PSYC 2520 Statistical Methods Claclulus level) Methods (one of the following, for at least 3 credits): ANTH 3005 Field Res. in Soc. Set. (If elected for Lizedits) ANTH 3005 Field Res. in Soc. Set. (If elected for Lizedits) ANTH 3005 Field Res. in Anth (If elected for Lizedits) ANTH 3005 Pollowing Linguistics PSYC 3250 W Lab in Animal Behavior & Learning PSYC 3250 W Lab in Animal Behavior & Learning PSYC 3250 W Lab in Animal Behavior & Learning PSYC 3250 W Lab in Animal Behavior & Learning PSYC 3250 W Lab in Animal Behavior & Learning PSYC 3250 W Lab in Animal Behavior & Learning PSYC 3250 W Lab in Psychology PSYC 3250 Statistical Linguistics PSYC 3500 Long of Conding for Cognitive Science CSE 3500 Algorithms and Complexity Aleast Science PSYC 3250 Learning PSYC 3250 December of Cognitive Science CSE 3500 Introduction to Discrete Systems CSE 3500		
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SLHS 4245/W Neurosci. Cog. & Comm. Disorders PHIL 2210/W Metaphysics PHIL 2210/W Metaphysics PHIL 2210/W Metaphysics PHIL 2210/W Metaphysics PHIL 2211/W Philosophy of Science PSYC 2200 Physiology of the Brain PSYC 2200 Physiology of Physiology PSYC 2200 Learning PSYC 2300 Learning PSYC 2300 Learning PSYC 2300 Developmental Cognitive Neuroscience PSYC 3500 Wall and Selad Remory: Brain to Behavior PSYC 2500 Learning PSYC 2300 Developmental Cognitive Neuroscience PSYC 3500 Wall and Selad Physiology PSYC 3501 Wall and Physiology of Consciousness SLHS 4230 Anatomy/Physiology of Consciousness SLHS 4230 Anatomy/Physiology of Speech & Hearing SLHS 4230	PSYC 2501 Cognitive Psychology	LING 3610W Language and Culture
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COGS 2500Q Coding for Cognitive Science CSE 2300W Digital Logic Design CSE 2500 Introduction to Discrete Systems CSE 3500 Algorithms and Complexity † CSE 3500 Algorithms and Complexity † CSE 3502 Theory of Computation † CSE 3802 Numerical Methods LING 3000Q Intro to Computational Linguistics † LING 3310Q Phonology † LING 3410Q Semantics † LING 3511Q Syntax † Math 2210Q Applied Linear Algebra Math 2410Q Elementary Differential Equations Math 3160 Probability Math 3210 Abstract Linear Algebra Math 3230 Abstract Algebra PHIL 2211Q Symbolic Logic † Option: Any of the following can be counted towards the 12 credits in Advanced Courses (§4) and simultaneously "check off" the Formal Systems requirement (§3): CSE 3500, 3502; LING 3000Q, 3310Q, 3410Q, 3511Q. Students using this option must take 6 credits in §5. **Others need 3 credits in §3 and 3 credits in §5.** **S. Electives (3-6 credits) One additional course (two, if the ' † ' option is used) from the above lists, COGS 3589, COGS 3599, ANTH 4596W, or other related courses from any department, chosen with advisor approval. 1		
CSE 2500 Introduction to Discrete Systems CSE 3500 Algorithms and Complexity † CSE 3500 Algorithms and Complexity † CSE 3502 Theory of Computation † CSE 3802 Numerical Methods LING 3000Q Intro to Computational Linguistics † LING 3410Q Semantics † LING 3511Q Syntax † Math 2210Q Applied Linear Algebra Math 3210 Abstract Linear Algebra Math 3230 Abstract Algebra PHIL 2211Q Symbolic Logic Advanced Courses (§4) and simultaneously "check off" the Formal Systems requirement (§3): CSE 3500, 3502; LING 3000Q, 3310Q, 3410Q, 3511Q. Students using this option must take 6 credits in §5. Others need 3 credits in §3 and 3 credits in §5. Selectives (3-6 credits) One additional course (two, if the '†' option is used) from the above lists, COGS 3589, COGS 3599, ANTH 4596W, or other related courses from any department, chosen with advisor approval. 1. 2. The writing-in-the-major requirement is fulfilled by taking any of the W		
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NOTES: 1. Commonly needed <u>prerequisites</u>: PSYC 1100 <u>and</u> 1101/3, for all PSYC courses in the major; STAT 1000Q <u>or</u> 1100Q, for all options in §2-Statistics; and at least <u>one</u> of PHIL 1101-1107, for most PHIL courses in the major.

^{2.} COGS 2201 is a <u>spring-only</u> course, and is best taken in Year 2; COGS 3584 is offered both semesters, and is best taken in Year 3 or 4.

^{3. &}lt;u>Electives</u> (§5) are similar to "Relateds," but this major does <u>not</u> require the usual 12 credits of 'Related Courses'.

^{4. &}lt;u>Double major</u> with <u>Psychological Sciences</u> is <u>strongly discouraged</u>, due to excessive overlap.