

**Cognitive Science Major Classes - Fall 2020**

- KEY:  track requirement  
 one option of track requirement  
 elective for track

\*\*only students who are double majoring with another LSA major may be able to count CogSci courses toward their distribution. Please consult an advisor with questions.  
 \*\*\*only required prerequisites are listed in this column, please consult the course guide for advisory prerequisites

COURSE INFORMATION				TRACK LIST					LSA REQS	DISTRIBUTION**	TIME	NOTES***
SUBJECT	#	SEC	TITLE	CRD	COMP	DEC	LANG	PHIL				
CMLXSYS	270	001	Agent-Based Modeling	3	<input type="checkbox"/>	<input type="checkbox"/>					MW10:00AM - 11:30AM	Only 2 credits earned by students enrolled in or having completed CMLXSYS 200
CMLXSYS	501	001	Introduction to Complex Systems	3	<input type="checkbox"/>	<input type="checkbox"/>			Non-LSA crd		TTH 2:30-4PM	
CMLXSYS	511	001	Theory of Complex Systems	3	<input type="checkbox"/>	<input type="checkbox"/>			BS		MW 2:30PM - 4:00PM	
COGSCI	209	MULT	Language and the Human Mind	4	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>		ID	MW10:00AM - 11:30AM	Cross-listed with LING 209/PSYCH 242. Not available to students who have completed LING 103 (courseID 020035), Topic: Language and Mind.(Topic #6).
COGSCI	301	001	Topics: CogSci and Psychopathology	3		<input type="checkbox"/>		<input type="checkbox"/>			MW 11:30AM - 1:00PM	
COGSCI	445	001	Machine Learning for NLP	3	<input checked="" type="checkbox"/>		<input type="checkbox"/>				TTH 1-2:30pm	Cross-listed w/LING 445, prereq - EECS 281 (completed with a minimum grade of C- or better)
COGSCI	497	n/a	Directed Research for Cognitive Science	1-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
COGSCI	498	n/a	Independent Study for Cognitive Science	1-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
COGSCI	499	n/a	Senior Honors Researach for Cog Sci	1-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				prereq - Acceptance into the Cognitive Science Honors Program
ECON	398	001-003	Strategy	4	<input type="checkbox"/>	<input type="checkbox"/>			BS	SS	TuTh8:30AM - 10:00AM	prereq - ECON 101 (completed with a minimum grade of C or better)
ECON	490	001	MicroEcon Topics: Ethics in Econ Behav	3		<input type="checkbox"/>			ULWR		TuTh1:00PM - 2:30PM	prereq - ECON 401 (C- or better)
EECS	281	001-005	Data Structures and Algorithms	4	<input checked="" type="checkbox"/>				BS		multiple times	prereq - EECS 280 and EECS 203 or MATH 465 or 565 (C or better)
EECS	376	001-004	Foundations of Computer Science	4	<input type="checkbox"/>				BS		multiple times	prereq - EECS 280 and EECS 203 or MATH 465 or 565 (C or better)
EECS	442	001	Computer Vision	4	<input type="checkbox"/>				BS		MW3:00PM - 4:30PM	prereq - EECS 281 (C or better)
EECS	445	001-002	Introduction to Machine Learning	4	<input checked="" type="checkbox"/>				BS		multiple times	prereq - EECS 281 and Math 214 or 217 or 296 or 417 or 419 (C or better) prereq - EECS 281 (C or better); please consult CogSci enrollment guide for enrollment details
EECS	492	001	Introduction to Artificial Intelligence	4	<input checked="" type="checkbox"/>				BS		MW 3:00PM - 4:30PM	
EECS	498	007	Special Topics: Deep Learning	3-4	<input type="checkbox"/>				BS		MW 4:30-6pm	
EECS	595	001	Natural Language Processing	3	<input type="checkbox"/>		<input type="checkbox"/>		BS		MW1:30PM - 3:00PM	Cross-listed with LING 541/SI 561
IOE	536	001	Cognitive Ergonomics and Human Systems In	3	<input type="checkbox"/>	<input type="checkbox"/>			BS, Non-LSA credit		TTH 4:30-6pm	
LING	209	MULT	Language and the Human Mind	4	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>		ID	MW 10:00AM - 11:30AM	Cross-listed with COGSCI 209/PSYCH 242
LING	313	001	Sound Patterns	3			<input checked="" type="checkbox"/>	<input type="checkbox"/>	ULWR	SS	MW8:30AM - 10:00AM	
LING	315	001	Introduction to Syntax	3			<input checked="" type="checkbox"/>	<input type="checkbox"/>			TuTh10:00AM - 11:30AM	prereq - LING 111, 209, 210, or 212
LING	316	001	Aspects of Meaning	3			<input checked="" type="checkbox"/>	<input type="checkbox"/>			TuTh11:30AM - 1:00PM	
LING	347	MULT	Talking Minds	3	<input type="checkbox"/>		<input checked="" type="checkbox"/>		BS		TuTh9:00AM - 10:00AM	Cross-listed with PSYCH 349
LING	352	001	Development of Language and Thought	3			<input type="checkbox"/>			SS	TuTh10:00AM - 11:30AM	Cross-listed with PSYCH 352
LING	412	001	Speech Perception	3			<input type="checkbox"/>		BS		TuTh2:30PM - 4:00PM	prereq - LING 313
LING	426	001	Philosophy & Linguistic Theory	3			<input checked="" type="checkbox"/>	<input type="checkbox"/>			TuTh2:30PM - 4:00PM	Cross-listed with PHIL 426
LING	440	001	Language Learnability	3			<input type="checkbox"/>				TuTh 1:00PM - 2:30PM	prereq - LING 315
LING	441	001	Introduction to Computational Linguistics	3	<input type="checkbox"/>		<input type="checkbox"/>		BS		TuTh 4:00PM - 5:30PM	
LING	445	001	Machine Learning for NLP	3	<input checked="" type="checkbox"/>		<input type="checkbox"/>				TTH 1-2:30pm	Cross-listed w/COGSCI 445, prereq - EECS 281 (completed with a minimum grade of C- or better)
LING	492	001-002	Topics: Intro to Neurolinguistics	3			<input type="checkbox"/>				TuTh11:30AM - 1:00PM	
LING	497	001	Capstone: Speech Perception	3			<input type="checkbox"/>		BS		TuTh2:30PM - 4:00PM	prereq - LING 313
LING	541	001	Natural Language Processing	3	<input type="checkbox"/>		<input type="checkbox"/>		BS		MW1:30PM - 3:00PM	Cross-listed with EECS 595/SI 561
MKT	313	001-002	Consumer Behavior	3		<input type="checkbox"/>			Non-LSA crd		MW11:30-1PM, 2:30-4PM	please consult CogSci enrollment guide for enrollment instructions
PHIL	303	001-004	Symbolic Logic	4	<input type="checkbox"/>			<input checked="" type="checkbox"/>	BS, QR/1		TuTh10:00AM - 11:30AM	
PHIL	340	MULT	Minds and Machines	4	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>		HU	MW1:00PM - 2:30PM	
PHIL	345	001-003	Language and Mind	4			<input checked="" type="checkbox"/>	<input type="checkbox"/>		HU	MW8:30AM - 10:00AM	prereq - one PHIL course (C- or better)
PHIL	361	001-003	Ethics	4		<input checked="" type="checkbox"/>		<input type="checkbox"/>		HU	TuTh12:00PM - 1:00PM	prereq - one PHIL course (C- or better)
PHIL	426	001	Philosophy & Linguistic Theory	3			<input checked="" type="checkbox"/>	<input type="checkbox"/>			TuTh2:30PM - 4:00PM	Cross-listed with LING 426
PHIL	443	001-003	Foundations of Rational Choice Theory	4	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>			MW11:30AM - 1:00PM	
PHIL	482	001	Philosophy of Mind	3	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>			TuTh4:00PM - 5:30PM	
POLSCI	490	MULT	Game Theory and Formal Models	4		<input type="checkbox"/>					MW4:00PM - 5:30PM	
PPE	300	001-003	Introduction to Political Economy	4		<input type="checkbox"/>				ID	MW2:00PM - 3:00PM	
PSYCH	240	MULT	Introduction to Cognitive Psychology	4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	BS	NS	multiple times	prereq - PSYCH 111, 112, 114, 115, or 116
PSYCH	242	MULT	Language and the Human Mind	4	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>		ID	MW10:00AM - 11:30AM	Cross-listed with COGSCI 209/LING 209
PSYCH	303	MULT	Research Methods in Psychology	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BS, ULWR		M4:00PM - 5:30PM	prereq STATS 250, STATS 280, STATS 425, or MATH 425; and one of PSYCH 230, 240, 250, 260, 270, 280, or 290

PSYCH	314	001	Positive Psychology	3		⊙				SS	MW4:00PM - 5:30PM	prereq - PSYCH 111 or 112 or 114
PSYCH	346	001	Learning and Memory	3	⊙	⊙		⊙	BS	NS	TuTh1:00PM - 2:30PM	prereq - PSYCH 240 or 345
PSYCH	347	001	Perception	3	⊙			⊙	BS	NS	TuTh1:00PM - 2:30PM	prereq - PSYCH 230, 240, or 345
PSYCH	349	MULT	Talking Minds	3	⊙		☒⊙		BS		TuTh9:00AM - 10:00AM	Cross-listed with LING 347
PSYCH	352	001	Development of Language and Thought	3				⊙		SS	TuTh10:00AM - 11:30AM	Cross-listed with LING 352
PSYCH	355	001-002	Cognitive Development	3	⊙				BS	NS	multiple times	
PSYCH	360	MULT	Behavior and Environment	3		⊙				SS	MW1:00PM - 2:30PM	Cross-listed with EAS 560/ ENVIRON 360/SW 710/ URP 544
PSYCH	448	001	Mathematical Psychology	3	⊙	⊙		⊙	BS, QR/2		Tu2:00PM - 5:00PM	prereq - sophomore standing or above AND two MATH courses except MATH 105, 110, 127, or 128 OR two STATS courses 200-level or above
PSYCH	449	001-003	Decision Processes	3			✓		BS		MW11:30AM - 1:00PM	
SI	388	001	Putting the H in HCI	4	⊙	⊙			Non-LSA crd		MW 1:00PM - 3:00PM	<a href="#">please consult CogSci enrollment guide for enrollment instructions</a>
SI	422	001-003	Needs Assessment and Usability Eval	3	⊙						W8:30AM - 10:00AM	<a href="#">please consult CogSci enrollment guide for enrollment instructions</a>
SI	561	001	Natural Language Processing	3	⊙			⊙	BS		MW1:30PM - 3:00PM	Cross-listed with EECS 595/LING 541

Check this list to see courses that have previously been approved to count for CogSci through the course petition process:

<http://myumi.ch/BoZY7>