

**Cognitive Science Major Classes Fall 2021**

KEY:

<input checked="" type="checkbox"/>	track requirement
<input checked="" type="checkbox"/>	one option of track requirement
<input type="checkbox"/>	elective for track

\*ULWR distinction depends on semester questions.

\*\*\*only *required* prerequisites are listed in this column, please consult the course guide for advisory prerequisites

COURSE INFORMATION				TRACK LIST					LSA REQS	TIME	NOTES***	
SUBJECT	#	SEC	TITLE	CRD	COMP	DEC	LANG	PHIL				
CMPLEXSYS	270	001	Agent-Based Modeling	3	<input type="checkbox"/>	<input type="checkbox"/>					MW 10 - 11:30am	
CMPLEXSYS	511	001	Theory of Complex Systems	3	<input type="checkbox"/>	<input type="checkbox"/>			BS		TuTh 8:30 - 10pm	
COGSCI	209	001	Language and the Human Mind	4	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>			MW 10 - 11:30am	Cross-listed with LING 209/PSYCH 242
COGSCI	302	001	Topics in Moral Psychology	3		<input type="checkbox"/>		<input type="checkbox"/>	ULWR		MW 10 - 11:30am	Cannot count for students who have taken COGSCI 301 section titled "Topics in Moral Psychology"
COGSCI	445	001	Machine Learning for NLP	3	<input checked="" type="checkbox"/>		<input type="checkbox"/>		BS		TuTh 11:30am -1pm	Cross-listed with LING 445, prereq - EECS 281 (completed with a minimum grade of C- or better)
COGSCI	497	001	Directed Research for Cognitive Science	1-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			independent	
COGSCI	498	001	Independent Study for Cognitive Science	1-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			independent	
COGSCI	499	001	Senior Honors Resesarch for Cog Sci	1-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			independent	
ECON	398	001	Strategy	4	<input type="checkbox"/>	<input type="checkbox"/>			BS		TuTh 8:30 - 10am	prereq - ECON 101 (C- or better)
ECON	409	001	Game Theory	4		<input type="checkbox"/>			BS		TuTh 11:30am -1pm	prereq - ECON 401 (C- or better)
EECS	281	001-006	Data Structures and Algorithms	4	<input checked="" type="checkbox"/>				BS		Multiple times	prereq - EECS 280 <b>and</b> EECS 203 or MATH 465 or 565 (C or better)
EECS	376	001-005	Foundations of Computer Science	4	<input type="checkbox"/>				BS		Multiple times	prereq - EECS 280 <b>and</b> EECS 203 or MATH 465 or 565 (C or better)
EECS	442	001	Computer Vision	4	<input type="checkbox"/>				BS		MW 3 - 4:30pm	prereq - EECS 281 (C or better)
EECS	445		Introduction to Machine Learning	4	<input checked="" type="checkbox"/>	<input type="checkbox"/>			BS		Multiple times	prereq - EECS 281 <b>and</b> Math 214 or 217 or 296 or 417 or 419 (C or better)
EECS	492	001	Introduction to Artificial Intelligence	4	<input checked="" type="checkbox"/>	<input type="checkbox"/>			BS		MW 3 - 4:30pm	<a href="#">prereq - EECS 281 (C or better), please consult CoqSci enrollment guide for enrollment details</a>
EECS	498	006	Special Topics: <i>Conversational Artificial Intelligence: Principles and Practice of Virtual Assistant AI</i>	4	<input type="checkbox"/>						MW 1:30 - 3pm	
EECS	595	001	Natural Language Processing	3	<input type="checkbox"/>		<input type="checkbox"/>		BS		W 1:30-3pm, F 3-4:30pm	Cross-listed with LING 541/SI 561
IOE	536	001	Cognitive Ergonomics and Human Systems Integration	3	<input type="checkbox"/>	<input type="checkbox"/>			BS		TuTh 12 - 1:30pm	non-LSA credit
LING	209	001	Language and the Human Mind	4	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>			MW 10 - 11:30am	Cross-listed with COGSCI 209/PSYCH 242
LING	313	001	Sound Patterns	3			<input checked="" type="checkbox"/>	<input type="checkbox"/>			MW 8:30 - 10am	
LING	315	001	Introduction to Syntax	3			<input checked="" type="checkbox"/>	<input type="checkbox"/>			TuTh 10 - 11:30am	
LING	316	001	Aspects of Meaning	3			<input checked="" type="checkbox"/>	<input type="checkbox"/>			MW 10 - 11:30am	
LING	342	001	Perspectives of Bilingualism	3			<input type="checkbox"/>				TuTh 10 - 11:30am	
LING	347	001	Talking Minds	3	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	BS		TuTh 9 - 10am	Cross-listed with PSYCH 349
LING	412	001	Speech Perception	3			<input type="checkbox"/>		BS		TuTh 2:30 - 4pm	prereq - LING 313
LING	440	001	Language Learnability	3			<input type="checkbox"/>				TuTh 1 - 2:30pm	prereq - LING 315
LING	441	001	Introduction to Computational Linguistics	3	<input type="checkbox"/>		<input type="checkbox"/>		BS		TuTh 4 - 5:30pm	
LING	445	001	Machine Learning for NLP	3	<input checked="" type="checkbox"/>		<input type="checkbox"/>				TuTh 11:30am -1pm	Cross-listed with COGSCI 445, prereq - EECS 281 (completed with a minimum grade of C- or better)
LING	497	001	Capstone: Speech Perception	3			<input type="checkbox"/>		BS		TuTh 2:30 - 4pm	prereq - LING 313
LING	541	001	Natural Language Processing	3	<input type="checkbox"/>		<input type="checkbox"/>		BS		W 1:30-3pm, F 3-4:30pm	Cross-listed with EECS 595/SI 561
MATH	481	001	Introduction to Mathematical Logic	3				<input type="checkbox"/>	BS		MWF 12 - 1pm	
MKT	313	001-002	Consumer Behavior	3		<input type="checkbox"/>			Non-LSA crd		Multiple times	<a href="#">please consult CoqSci enrollment guide for enrollment instructions</a>
PHIL	303	001	Symbolic Logic	4	<input type="checkbox"/>			<input checked="" type="checkbox"/>	BS, QR/1		TuTh 10 - 11:30am	
PHIL	340	001	Minds and Machines	4	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>			MW 1 - 2:30pm	
PHIL	345	001	Language and Mind	4			<input checked="" type="checkbox"/>	<input type="checkbox"/>			MW 1 - 2:30pm	prereq - one PHIL course (C- or better)
PHIL	356	001	Issues in Bioethics	4				<input type="checkbox"/>			MW 3 - 4pm	

PHIL	361	001	Ethics	4		✓		⊙		TuTh 12 - 1pm	prereq - one PHIL course (C- or better)
PHIL	414	001	Mathematical Logic	3	⊙	⊙		⊙	BS, QR/1	MW 11:30am - 1pm	
PHIL	443	001	Foundations of Rational Choice Theory	4	⊙	☑⊙		⊙		TuTh 2:30 - 4pm	
PHIL	482	001	Philosophy of Mind	3	⊙		⊙	☑⊙	ULWR	TuTh 4 - 5:30pm	
POLSCI	490	001	Game Theory and Formal Models	4			⊙			MW 4 - 5:30pm	
PPE	300	001	Introduction to Political Economy	4			⊙			MW 2 - 3pm	
PSYCH	240		Introduction to Cognitive Psychology	4	☑⊙	⊙		☑⊙	BS	Multiple times	prereq - PSYCH 111, 112, 114, 115, or 116
PSYCH	242	001	Language and the Human Mind	4	⊙		☑⊙	⊙		MW 10 - 11:30am	Cross-listed with COGSCI 209/LING 209
PSYCH	302	001	Research Methods in Cognitive Neuroscien	3	⊙	⊙	⊙	⊙	ULWR, BS	Th 2:30 - 4pm	prereq: STATS 250 OR STAT 280 AND PSYCH 220, 230, or 240; <b>can only count one of PSYCH 302, 303, 331, or 341 toward CogSci degree</b>
PSYCH	303	001	Research Methods in Psychology	3	⊙	⊙	⊙	⊙	BS, ULWR	M 4 - 5:30pm	prereq STATS 250, STATS 280, STATS 425, or MATH 425; and one of PSYCH 230, 240, 250, 260, 270, 280, or 290; <b>can only count one of PSYCH 302, 303, 331, or 341 toward CogSci degree</b>
PSYCH	314	001	Positive Psychology	3		⊙		⊙		MW 4 - 5:30pm	prereq - PSYCH 111 or 112 or 114
PSYCH	330	001	Topics: Introduction to Neural Circuits	3	⊙	⊙			BS	MW 2:30 - 4pm	prereq - PSYCH 230
PSYCH	341	001	Advanced Lab in Cognitive Psychology	3	⊙	⊙	⊙	⊙	ULWR, BS	WF 10 - 11:30am	prereq: STATS 250 OR STATS 280 or STATS 425 AND PSYCH 245, 245, or 345; <b>can only count one of PSYCH 302, 303, 331, or 341 toward CogSci degree</b>
PSYCH	345	001	Introduction to Human Neuropsychology	4	☑⊙	⊙		☑⊙	BS	MW 10 - 11am	prereq - PSYCH 111, 112, 114, 115, or 116
PSYCH	346	001	Learning and Memory	3	⊙	⊙		⊙	BS	TuTh 1 - 2:30pm	prereq - PSYCH 240 or 345
PSYCH	347	001	Perception	3	⊙			⊙	BS	TuTh 1 - 2:30pm	prereq - PSYCH 230, 240, or 345
PSYCH	349	001	Talking Minds	3	⊙		☑⊙		BS	TuTh 9 - 10am	Cross-listed with LING 347
PSYCH	355		Cognitive Development	3	⊙				BS	Multiple times	
PSYCH	360	001	Behavior and Environment	3		⊙				MW 1 - 2:30pm	Cross-listed with EAS 560/ ENVIRON 360/SW 710/ URP 544
PSYCH	449	001	Decision Processes	3		✓			BS	MW 11:30am - 1pm	
SI	388	001	Putting the H in HCI: Human Perception, Cognition, and Mental Processes	4	⊙	⊙				TuTh 2 - 4pm	<a href="#">please consult CogSci enrollment guide for enrollment instructions.</a>
SI	422	001	Needs Assessment and Usability Eval	3	⊙					W 8:30 - 10am	<a href="#">please consult CogSci enrollment guide for enrollment instructions.</a>
SI	561	001	Natural Language Processing	3	⊙		⊙		BS	Multiple times	Cross-listed with EECS 595/LING 541

COURSE INFORMATION					All Off-Track Courses	LSA REQS	TIME	NOTES***
SUBJECT	#	SEC	TITLE	CRD				
QMSS	201	001	Intro to Quantitative Methods in the Social Sciences	4	Off-track courses (courses may not count for on-track credit for any track in the major)		MW 10 - 11:30am	
QMSS	251	001	Computational Social Sciences	4			MW 1pm - 2pm	
STATS	250	100-400	Introduction to Statistics and Data Analysis	4		BS, QR/1	multiple times	No credit granted to those who have completed or are enrolled in ECON 451, IOE 265, or STATS 280 or STATS 412. Those with credit for STATS 250 receive no credit for STATS 180.

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

<http://myumi.ch/BoZY7>