## LCT at Charles University - within the Computer Science - Language Technologies and Computational Linguistics General rules - new accreditation from 2024/25: Each student has to pass all obligatory courses (for most of them, alternatives from a partner university might be recognized - BASED on previous 27 obligatory

Each student must collect at least 42 credits for elective courses, with the additional two constraints:

- at lest 24 credits from core elective courses
- at least 6 credits from supplementary elective courses

Each student can register any number of courses (credits are counted as "free" credits).

								NLP	
								algorith	
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							digital	applicati	e data
r			1	I			LRs	ons	science
	Course name	ECTS	note	term	pre-requis	core	DLR	NLA	LDS
NTIN066	Data Structures I	6	obligatory	S					6
NTIN090	Introduction to Complexity and Computability	4	obligatory	w					4
NPFL063	Introduction to General Linguistics	4	obligatory	w		4			
NPFL147	Statistical Methods in Natural Language Process	6	obligatory	w		2		3	1
NPFL138	Deep Learning	8	obligatory	s		3			5
	Diploma Thesis I	6	obligatory	both					
	Diploma Thesis II	9	obligatory	both	Diploma Thesis I				
	Diploma Thesis III	15	obligatory	both	Diploma Thesis II				
NPFL006	Introduction to Formal Linguistics	3	core elective	w		3			
NPFL038	Fundamentals of Speech Recognition and Gener	5	core elective	w			2	3	
NPFL070	Language Data Resources	4	core elective	w		2	2		
NPFL075	Dependency Grammars and Treebanks	3	core elective	S			2	1	
NPFL079	Algorithms in Speech Recognition	5	core elective	S				5	
NPFL083	Linguistic Theory and Grammar Formalisms	5	core elective	S		2	3		
NPFL087	Statistical Machine Translation	5	core elective	S					5
NPFL093	NLP Applications	4	core elective	S				4	
NPFL094	Morphological and Syntactic Analysis	3	core elective	w		3			
NPFL099	Statistical Dialogue Systems	4	core elective	w				2	2
NPFL103	Information Retrieval	5	core elective	S				3	2
NPFL128	Language technologies in practice	4	core elective	S		4			

42 elective courses

21 free choice

30 thesis

120

	Course name	ECTS	note	term	pre-requis	core	DLR	NLA	LDS
NPFL149	Information Structure of Sentences and Discour	3	supplementary elective	S			3		
NPFL095	Modern Methods in Computational Linguistics	3	supplementary elective	w					3
NPFL097	Unsupervised Machine Learning in NLP	3	supplementary elective	w					3
NPFL150	Variability of Languages in Time and Space	3	supplementary elective	w			3		
NPFL139	Deep Reinforcement Learning	8	supplementary elective	w		2			6
NPFL140	Large Language Models	3	supplementary elective	S					3
NPFL141	Linguistics	3	supplementary elective	S			3		
NPGR036	Computer Vision	5	supplementary elective	S				5	
NAIL025	Evolutionary Algorithms I	5	supplementary elective	w					5
NAIL069	Artificial Inteligence I	4	supplementary elective	w		4			
NAIL070	Artificial Inteligence II	3	supplementary elective	S				1	2
NAIL104	Probabilistic Graphical Models	3	supplementary elective	w				3	
NAIL131	Ethics of AI+	2	supplementary elective	both					
NPGR069	Company Project	6	supplementary elective	both	track depends on topic				
NPGR070	Research Project	9	supplementary elective	both	track depends on topic				
NPGR071	Software Project	12	supplementary elective	both	track deper	nds on to			

## Recommended free courses (not counted as elective):

NPFL012	Introduction to Computer Linguistics	3	Bc course	w	3			
NPFL101	Competing in Machine Translation	3	Bc course	w			3	
NPFL123	Dialogue Systems	5	Bc course	S	2		3	
NPFL124	Natural Language Processing	4	Bc course	S	4			
NPFL125	Introduction to Language Technologies	3	Bc course	w	3			
NPFL129	Introduction to Machine Learning with Python	5	Bc course	w	3		2	
NJAZ097	Czech for Beginners I	3		w		3		
NJAZ098	Czech for Beginners II	3		S		3		

http://ufal.mff.cuni.cz/lct/modules

TOTAL 44 24

38 47

Contact person

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