

Curriculum 2019-2020 for the students coming from the UoP
(27.6.2019)

Wireless Communications Engineering – Radio Access and Networks DD-WCE–RAN study option															
Code of the course	Name of the course	Course credits	Suggested timing												
			First year (at UoP)						Second year (at UOulu)						
			Fall		Spring		Summer		Fall		Spring		Summer		
			1	2	3	4	June	July	August	1	2	3	4	June	July
Obligatory Studies, Total 24 UoP crs + 40 ECTS crs															
EE 669	Optimization of Communication Systems	3	x												
EE 664	Random Signal Analysis in Communications and Signal Processing	3	x												
EE 663	Advanced Digital Communications	3	x												
EE 665	Data Networks	3	x												
EE 681	Microwave Communications	3	x												
EE 680	Wireless Communication Systems	3			x										
EE 683	Advanced Technologies in Telecommunications	3			x										
EE 686	Advanced Digital Signal Processing	3			x										
521324S	Statistical signal processing II	5										x			
521349S	Wireless Communications II	5										x			
521998S	Master's Thesis	30											x		
Elective Studies, Total ≥ 6 UoP crs + ≥ 20 ECTS crs															
EE 687	Internetworking	3			x										
EE685	Antenna Theory and Design * **	3			x										
EE 684	Telecommunication Regulation, Policy and Management	3	TBD												
EE 682	Optical Communication Systems	3	TBD												
900017Y	Survival Finnish Course I (on both semester) *	2								x		x			
900013Y	Beginner's Finnish Course I (on both semester)	3									x		x		
900053Y	Beginner's Finnish Course II	5										x			
521386S	Radio channels *	5									x				
521369A	Simulations and tools for telecommunications *	5									x				
521327S	Radio engineering II	6										x			
521377S	Communications networks II *	7											x		
521388S	Antennas * **	5												x	
521279S	Signal processing systems	5											x		
521322S	Telecommunication engineering project OR	5									x				
521300S	Electronics design and construction exercise	6									x				
521318S	Modern topics in telecommunications and radio engineering	3-7										x			
521389S	Wireless body area networks *	5										x	x		
521097S	Wireless Measurements	5										x			
521225S	RF Components and Measurements	5												x	

 UoP crs
 ECTS crs

Master's Degree at UoP is 60 UoP crs. The first study year in DD-WCE study program is 30 crs which is 50 % of the whole study load at the UoP.

Master's Degree at UOulu is 120 ECTS crs. The second study year in DD-WCE study program is 60 crs which is 50 % of the whole study load at the UOulu.

521401S	Electronics Design II	6										x					
521435S	Electronics Design III	6											x				
521405S	Electronic System Design	5										x					
521402S	Telecommunication Circuit Design	5										x					
521273S	Biosignal processing	5											x				
521145A	Human Computer Interaction	5											x				
521279S	Signal Processing Systems	5											x				
521148S	Ubiquitous Computing Fundamentals	5											x				
521281S	Application Specific Signal Processors	5										x					
521140S	Computer Graphics	7															x
521290S	Distributed Systems	5															x
521466S	Machine Vision	5															x
521045S	Mobile Computing	5															x
521044A	Social Computing	5															
521260S	Programmable Web Project	5															x
521479S	Software Project	7											x				
* recommended		** alternative courses															

