

# Master's programme in Wireless Communications

## Study Year 1, Academic Year 2020/21 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	20/21	20/21	20/21	20/21
								sp1	sp2	sp3	sp4
<a href="#">EITG05</a>	7.5	G2	X	E	Digital Communications		<a href="#">KS KE U W T</a>	1			
<a href="#">ETEN10</a>	7.5	A	X	E	Antenna Technology		<a href="#">KS KE U W T</a>		2		
<a href="#">ETTNO1</a>	7.5	A	X	E	Digital Communications, Advanced Course		<a href="#">KS KE U W T</a>		2		
<a href="#">ETSN10</a>	7.5	A	X	E	Network Architecture and Performance		<a href="#">KS KE U W T</a>			3	
<a href="#">EITN85</a>	7.5	A	X	E	Wireless Communication Channels		<a href="#">KS KE U W T</a>			3	
<a href="#">EITN75</a>	7.5	A	X	E	Wireless System Design Principles		<a href="#">KS KE U W T</a>				4

## Study Year 1, Academic Year 2020/21 (Elective Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	20/21	20/21	20/21	20/21
								sp1	sp2	sp3	sp4
<a href="#">EITF50</a>	7.5	G2	X	E	An Introduction to Wireless Systems		<a href="#">KS KE U W T</a>	1			
<a href="#">EMSF10</a>	7.5	G2	X	E	Stationary Stochastic Processes	X	<a href="#">KS KE U W T</a>	1			

[EMSF10](#) Stationary Stochastic Processes: *The course is to be studied together with MASC04*

## Study Year 2, Academic Year 2021/22 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	21/22	21/22	21/22	21/22
								sp1	sp2	sp3	sp4
<a href="#">EITN10</a>	7.5	A	X	E	Multiple Antenna Systems		<a href="#">KS KE U W T</a>	1			
<a href="#">EITN21</a>	7.5	A	X	E	Project in Wireless Communication		<a href="#">KS KE U W T</a>	1	2		

## Elective Courses - MWIR

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links	sp1 sp2 sp3 sp4			
										sp1	sp2	sp3	sp4
<a href="#">EITN70</a>	7.5	A	1 - 20/21	1	X	E	Channel Coding for Reliable Communication		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		
<a href="#">ETIN50</a>	7.5	A	1 - 20/21	1	X	E	RF Amplifier Design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		
<a href="#">ETIA10</a>	7.5	G1	1 - 20/21	1	X	E	Patent and Intellectual Property Rights		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	
<a href="#">EITN45</a>	7.5	A	1 - 20/21	1	X	E	Information Theory		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">EITN35</a>	7.5	A	2 - 21/22	2	-	E1	Advanced Course in Electrical and Information Technology	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">EITP30</a>	7.5	A	2 - 21/22	2	X	E	Modern Wireless Systems - 5G and Beyond		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">EITN60</a>	7.5	A	2 - 21/22	1	X	E	Optimum and Adaptive Signal Processing		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links								
									sp1	sp2	sp3	sp4					
<a href="#">EITN35</a>	7.5	A	2 - 21/22	2	-	E1	Advanced Course in Electrical and Information Technology	X	<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	2			
<a href="#">EDIN01</a>	7.5	A	2 - 21/22	1	X	E1	Cryptography		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	2			
<a href="#">EITP10</a>	7.5	A	2 - 21/22	1	X	E	High Performance Fiber Networks		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">T</a>		2			
<a href="#">ETSF10</a>	7.5	G2	2 - 21/22	1	X	E	Internet Protocols		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	2			
<a href="#">BMEN15</a>	7.5	A	2 - 21/22	2	X	E	Signal Separation - Independent Components		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	2			
<a href="#">EITN35</a>	7.5	A	2 - 21/22	2	-	E1	Advanced Course in Electrical and Information Technology	X	<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>				3
<a href="#">BMEN20</a>	7.5	A	2 - 21/22	2	X	E1	Project Course in Signal Processing – from Idea to App		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>				3

Course Code	Credits	Cycle	Year	From year	S.Ex. stud.	Language	Course Name	Footnote	Links					
									sp1	sp2	sp3	sp4		
<a href="#">EITN35</a>	7.5	A	2 - 21/22	2	-	E1	Advanced Course in Electrical and Information Technology	X	<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	4
<a href="#">ETIN85</a>	7.5	A	2 - 21/22	1	X	E	Advanced Cryptography		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">T</a>		4
<a href="#">EDAN15</a>	7.5	A	2 - 21/22	1	X	E	Design of Embedded Systems		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	4
<a href="#">EMSE65</a>	7.5	G2	2 - 21/22	1	X	E	Design of Experiments		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	4

[EITN35](#) Advanced Course in Electrical and Information Technology: *The course starts only after agreement with the department. The course is not linked to any specific study period. The information on hours depends on the course running over a study period. Individual study plans are to be set up and approved.*

## Degree Projects - MWIR

The list contains the degree project courses that are included in the MWIR programme.

### Links

Course Code	Credits	Course Name	Links
EITM02	30	Degree Project in Electrical and Information Technology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>