Electronics Design Engineering, M Sc in Engineering

300 credits

Civilingenjör i elektronikdesign

6CIEN

Valid from:

Determined by

Date determined

Entry requirements

Degree in Swedish

Civilingenjör 300 hp och Teknologie master 120 hp

Curriculum

Semester 8 (Spring 2017)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TEIE54	Intellectual Property Rights	6	G1X	2	E
TEIO05	Basic Entrepreneurship and Idea Feasibility Analysis	6*	G2F	2	E
TKMJ15	Environmental Management Strategies	6	G1X	3	E
TNE062	RF System Design	12*	A1X	2	E
TNE090	Wireless Sensor Networks	6	A1X	4	E
TNE102	Applied Power Electronics	8*	G2X	1	E
TNE103	Organic Electronics 1	6	A1X	4	E
TNKA08	Rhetoric	6	G1X	1	E
TSRT09	Control Theory	6	A1X	3	E
Period 2					
TEIO05	Basic Entrepreneurship and Idea Feasibility Analysis	6*	G2F	3	E
TFYA38	Optoelectronics	6	A1X	3	E
TNE062	RF System Design	12*	A1X	4	E
TNE093	Solar Cell Technology	6	A1X	1	E
TNE102	Applied Power Electronics	8*	G2X	2	E
TNK080	Wireless Communication Systems	6	A1X	1	E
TSRT14	Sensor Fusion	6	A1X	2	E
TSTE06	Digital Filters	6	A1X	3	E
TSTE87	Application-Specific Integrated Circuits	6	A1X	2	E

Specialisation: Emerging electronics

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TNE102	Applied Power Electronics	8*	G2X	1	E
TNE103	Organic Electronics 1	6	A1X	4	E
Period 2					
TNE093	Solar Cell Technology	6	A1X	1	E
TNE102	Applied Power Electronics	8*	G2X	2	E

Specialisation: Wireless Systems

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TNE062	RF System Design	12*	A1X	2	E
TNE090	Wireless Sensor Networks	6	A1X	4	E
Period 2					
TNE062	RF System Design	12*	A1X	4	E
TNK080	Wireless Communication Systems	6	A1X	1	E

Semester 9 (Autumn 2017)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TNE085	Project Course CDIO	12*	A1X	3	C
THEN09	Advanced English	6*	G2X	4	E
TNE071	Microwave Engineering	6	A1X	1	E
TNE089	Electromagnetic Compatibility (EMC) and Printed Circuit Board (PCB) Design	6*	A1X	2	E
TNE104	Organic Electronics 2	6	A1X	4	E
Period 2					
TNE085	Project Course CDIO	12*	A1X	3	C
THEN09	Advanced English	6*	G2X	4	E
TNE083	Antenna Theory	6	A1X	2	E
TNE089	Electromagnetic Compatibility (EMC) and Printed Circuit Board (PCB) Design	6*	A1X	1	E
TSEA81	Computer Engineering and Real-time Systems	6	A1X	4	E
TSTE85	Low Power Electronics	6	A1X	2	E

Specialisation: Emerging electronics

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TNE089	Electromagnetic Compatibility (EMC) and Printed Circuit Board (PCB) Design	6*	A1X	2	E
TNE104	Organic Electronics 2	6	A1X	4	E
Period 2					
TNE089	Electromagnetic Compatibility (EMC) and Printed Circuit Board (PCB) Design	6*	A1X	1	E

Specialisation: Wireless Systems

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TNE071	Microwave Engineering	6	A1X	1	E
TNE089	Electromagnetic Compatibility (EMC) and Printed Circuit Board (PCB) Design	6*	A1X	2	E
Period 2					
TNE083	Antenna Theory	6	A1X	2	E
TNE089	Electromagnetic Compatibility (EMC) and Printed Circuit Board (PCB) Design	6*	A1X	1	E

Semester 10 (Spring 2018)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TQXX33	Degree project - Master's Thesis	30*	A1X	-	C
Period 2					
TQXX33	Degree project - Master's Thesis	30*	A1X	-	C

ECV = Elective / Compulsory /Voluntary
*The course is divided into several semesters and/or periods