



**Programme Schedule for  
Master programme in Intelligent Embedded Systems, 120 credits**  
Programme code: GST01

**Valid for the academic year 2019/2020**

**About the programme schedule**

Every degree programme has an established programme syllabus which includes all the courses in the programme. The programme syllabus is supplemented annually by a programme schedule stating in which study period a programme course is run, in which city it takes place, whether it collides with another course and so on. The programme schedule is valid for one year at a time.

Courses which belong to the main field of study for a degree have been marked with "X" in the column MF.

K1, K2 etc. in the study period columns indicate their timetable positions and show whether the courses collide or not. Courses with the same K value collide, and courses with different K values do not collide. Courses with the value "X" can collide with other courses in the study period.

The following applies to current collision codes/K values:

K1 = Monday pm + Wednesday am

K2 = Monday am + Thursday am

K3 = Tuesday am + Thursday pm

K4 = Tuesday pm + Friday am

K5 = Wednesday pm + Friday pm (K5a = Wednesday pm, K5b = Friday pm)

The program schedule shows the courses that you have a guaranteed place to for the particular study period and programme semester."E" indicates that the course is given in Eskilstuna and "V" that it is given in Västerås.

The course syllabus will give information if the course is overlapping another course. You can only use overlapping credits once in a degree. Please contact your Study Adviser for more information.

**MÄLARDALENS HÖGSKOLA  
ESKILSTUNA VÄSTERÅS****Level and Classification of Progressive Specialisation**

The University uses the following designations for the classification of progressive specialisation, where "G" indicates that the course belongs to a programme at first-cycle level and "A" that the course belongs to second-cycle level:

G1N	course with only upper secondary school entry requirements
G1F entry	course with less than 60-credit course/courses at first-cycle level as requirements
G1E	course including a specially-designed degree project for a higher education diploma
G2F	course with at least 60-credit course/courses at first-cycle level as entry requirements
G2E degree	course with at least 60-credit course/courses at first-cycle level as entry requirements and which includes a degree project for a Bachelor's degree
A1N	course with only course/courses at first-cycle level as entry requirements
A1F	course with course/courses at second-cycle level as entry requirements
A1E	course which includes a degree project for a Master's degree (60 credits)
A2E credits)	course which includes a degree project for a Master's degree (120 credits)

**Choice within the programme**

During the course of your education you can be given the possibility of choosing courses within the programme. You will make your choices together with your program coordinator.

When you make your choices you must always base these on the programme syllabus together with the degree requirements for the degree you wish to obtain. Please contact your Program coordinator or Study Adviser for more information.

To be able to be admitted to a course you must always fulfil the specific eligibility requirements which are stated in the course syllabus, regardless of whether you have a guaranteed place or not.

**Other information**

Depending on the number of applicants for the individual courses, courses may be cancelled. The courses are given in English.



Program Schedule 2019/2020

GST01

Version: 2019-01-03

## MÄLARDALENS HÖGSKOLA ESKILSTUNA VÄSTERÅS

### Terms 1 and 2 for program starting in autumn term 2019

MF	Main Field /Course name	Course code	Level	Credit	Study periods								Speed	City		
					HT1		HT2		VT1		VT2					
					a	b	a	b	a	b	a	b				
	<b>Computer Science</b>															
X	Embedded systems I*	DVA454	A1N	7,5	K1	K1							50%	V		
X	Research methods in computer science	DVA463	A1N	7,5	K3	K3							50%	V		
X	Embedded systems II*	DVA482	A1F	7,5			K1	K1					50%	V		
X	Project in embedded systems*	DVA438	A1F	7,5			K2+ K3+ K4+ K5	K2+ K3+ K4+ K5					50%	V		
X	Intelligent Systems	DVA439	A1F	7,5					K3	K3			50%	V		
X	Project in intelligent embedded systems*	DVA435	A1F	15							X	>	100%	V		
	<b>Mathematics/Applied Mathematics<sup>i</sup></b>															
	Numerical Methods with MATLAB	MMA307	G1F	7,5					K1 + K5b	K1 + K5b			50%	V		
	<b>Optional courses</b>															
X	Thesis for the Degree of Master of Science in Computer Science (60 credits) with Specialization in Embedded Systems*	DVA428	A1E	15							X	>	100%	V		

\*) This is a course at advanced level within the specialization in Embedded Systems.

<sup>i</sup> Students who have not completed 30 ECTS credits in mathematics as part of previous studies, must choose at least 7,5 ECTS credits in mathematics at level G1F or higher.



**Terms 3 and 4 for program starting in autumn term 2018**

MF	Main Field /Course name	Course code	Level	Credit	Study periods								Speed	City		
					HT1		HT2		VT1		VT2					
					a	b	a	b	a	b	a	b				
	<b>Computer Science</b>															
X	Project in Advanced Embedded Systems*	DVA474	A1F	30	X	>	>	>						100% V		
X	Thesis for the Degree of Master of Science (120 credits) in Computer Science with Specialization in Embedded Systems*	DVA503	A2E	30					X	>	>	>		100% V		
	<b>Optional courses</b>															
	Safety Critical Systems Engineering	DVA437	A1N	7,5			K2	K2						50% V		
	Industrial System Development	CDT417	A1N	7,5		K1	K1							50% V		
	Software Engineering 1: Basic Course	DVA332	G2F	7,5	K1	K1								50% V		
	Sensor Technique	ELA400	A1N	7,5							K4	K4		50% V		

\*) This is a course at advanced level within the specialization in Embedded Systems.

<sup>i</sup> Students who have not completed 30 ECTS credits in mathematics as part of previous studies, must choose at least 7,5 ECTS credits in mathematics at level G1F or higher.