Autumn 2024
School of Innovation, Design and Engineering

Course code	Course name	ECTS	Level*	Period 1 Collision codes* a	b	Period 2 Colission codes* a	b	Study pace	Campus*
				Study period					
Computer Science									
CDT204	Computer Architecture	7,5	G1F	K2	K2			50%	V
CDT402	Distributed Software Development	7,5	A1N	K4	K4	K4	K4	25%	V
CDT414	Software Verification and Validation	7,5	A1N			K3	K3	50%	V
DVA117	Programming	7,5	G1N			K1+K5	K1+K5	50%	V
DVA222	Object-Oriented Programming	7,5	G1F			K3	K3	50%	V
DVA231	Development of web applications	7,5	G1F	K1	K1			50%	V
DVA232	Programming Mobile Applications	7,5	G1F			K1	K1	50%	V
DVA241	Distributed Systems	7,5	G1F		K2			100%	V
DVA262	Machine Learning Concepts	7,5	G1F	K3	K3			50%	V
DVA263	Applied Machine Learning	7,5	G1F			K1	K1	50%	V
DVA268	Internet of Things - Data Communication and Security	7,5	G1F			K4	K4	50%	E
DVA269	Software Engineering for Artificial intelligence	7,5	G1F			K1	K1	50%	E
DVA313	Software Engineering 2: Project teamwork	7,5	G2F			K1	K1	50%	V
DVA332	Software Engineering 1: Basic Course	7,5	G2F	K1	K1			50%	V
DVA336	Parallell Systems	7,5	G2F			K2+K5	K2+K5	50%	V
DVA337	Formal Languages, Automata and Theory of Computation	7,5	G2F	K3	K3			50%	V
DVA339	Compiler Theory	7,5	G2F			K3	K3	50%	V
DVA437	Safety Critical Systems Engineering	7,5	A1N			K2	K2	50%	V
DVA454	Embedded systems I	7,5	A1N	K1+K5b	K1+K5b			50%	V
DVA463	Research methods in computer science	7,5	A1N	K3	K3			50%	V
DVA474	Project in Advanced Embedded Systems	30	A1F	X	>	>	>	100%	V
DVA482	Embedded systems II	7,5	A1F			K1	K1	50%	V
DVA489	Web security	7,5	A1N	K2	K2	K5	K5	25%	V
DVA493	Learning Systems	7,5	A1N			K3	K3	50%	V
DVA495	Cybersecurity Fundamentals	7,5	A1N	K1	K1			50%	E
DVA497	Industrial Cybersecurity	7,5	A1F			K2	K2	50%	E
DVA500	Industrial Systems in Cloud Computing	7,5	A1N	K5	K5			50%	V
Electronics									
ELA212	Electrical Measurement Systems	7,5	G1F			K2	K2	50%	V
ELA213	Measurement Technique	7,5	G1F	K4	K4			50%	V
ELA411	Neurotechnology	7,5	A1F			K1	K1	50%	V

Code	Name	Credits	Level					%	Campus
ELA415	Control Theory	7,5	A1N	K3	K3			50%	V
Innovation Management									
INO417	Foresight and Transformative Innovation	7,5	A1N			K2	K2	50%	E
Information Design									
ITE429	Research Methods in Innovation and Design 1	7,5	A1N			K3	K3	50%	E
ITE431	Challenges in Innovation and Design	15	A1N	X	X			100%	E
ITE433	Early Phases in Innovation and Design	7,5	A1N			K1	K1	50%	E
ITE434	Project Methology in Innovation and Design	15	A1F	K3	K3	K3	K3	50%	E
ITE435	Information Design and Complexity	7,5	A1N	K2	K2			50%	E
Product and Process Development									
PPU315	Product and Logistics Palnning	7,5	G2F			K2	K2	50%	E
PPU323	Simulation of Production Systems	5	G2F	K3	K3			33%	E
PPU415	Scientific theory and method	7,5	A1N			K2	K2	50%	E
PPU466	Maintenance and dependability	7,5	A1N			K1	K1	50%	E
PPU467	Industrial Internet of Things for Manufacturing Industry	7,5	A1N	K1	K1			50%	E
PPU468	Production System Development	7,5	A1N	K4	K4			50%	E
PPU485	Big data and machine learning on cloud platform form industrial applications	7,5	A1N			K1	K1	50%	E
PPU487	Optimization of Products and Production Systems	7,5	A1N	K1	K1			50%	E
PPU488	Advanced Product Development	15	A1F	K3	K3	K3	K3	50%	E
PPU489	Industrial Excellence	7,5	A1F			K3+K5b	K3+K5b	50%	E

*Collision codes (scheduled classes):

K1= Monday afternoon + Wednesday morning

K2= Monday morning + Thursday morning

K3= Tuesday morning + Thursday afternoon

K4= Tuesday afternoon + Friday morning

K5= Wednesday afternoon + Friday afternoon (**K5a**= Wed afternoon, **K5b**= Fri afternoon)

X= No collission code

Please note that two courses with the same collision code, taught in the same study period, can not be combined.

*Campus: V= Västerås. E=Eskilstuna. Campus buses connects the cities hourly, free of charge for students

Levels:

G1N= The course has only upper secondary education requirements

G1F= The course has less than 60 credits at basic level as pre-requisites

G2F= The course has at least 60 credits at basic level as pre-requisites

A1N= Advanced level - the course has courses at undergraduate level as pre-requisites

A1F= Advanced level - the course has advanced courses as pre-requisites