University	Faculty	Master	Track(s)	Master (track) coordinator	Premaster EC	Requirements	Quartile	Course/ module	Study	Name	EC	Code	Mandatory?	Module / Course Coordinator	Comments Content	Comments General	Action Required?
																Premaster Information	
UT	EWI	**Computer Science**	Software Technology	Marloes Grinsven	90EC from Y1 and 30 Y2		1 Module 5	CS/ EE	Computer Systems	15	201400210	Choose 2 modules of 4	Andre Kokkeler		Preferred packages: -Software Technology: M2 + M7 -Data Science & Technology: M2 + any other - Cyber Security: M7	Ok
			Data science & Technology Cyber Security				2 Module 2	CS / BIT	Software Systems	15	201500111	Choose 2 modules of 4	Marieke Huisman	Adapted Math part in this module		
							3 Module 3	CS/EE	Network Systems	15	201600146	Choose 2 modules of 4, M3 can serve as possible replacement M2 or M5	Pieter Tjerk de Boer		The former track Wireless Sensors (WiSe) can now be found in the Embeddes Systems master (system part of WiSe) and the Internet Science & technology master (Networks part of WiSe)	
							3 Module 7	CS/TW	Discrete Structures and Efficient Algorithms	15	201600270	Choose 2 modules of 4, M7 can serve as possible replacement M2 or M5	Marc Uetz			
UT	EWI	**Internet Science & Technology**		Pieter-Tjerk de Boer	90EC from Y1 and 30 Y2		1 Module 5	CS/ EE	Computer Systems	15	201400210	Choose 2 modules of 4	Andre Kokkeler		Preferred packages: -IS & T: M3 + any other module	Ok
							2 Module 2	CS / BIT	Software Systems	15	201500111	Choose 2 modules of 4	Marieke Huisman	Adapted Math part in this module		
							3 Module 3	**CS/EE**	**Network Systems**	15	201600146	Choose 2 modules of 4, M3 can serve as possible replacement M2 or M5	Pieter Tjerk de Boer		The former track Wireless Sensors (WiSe) can now be found in the Embeddes Systems master (system part of WiSe) and the Internet Science & technology master (Networks part of WiSe)	
							3 Module 7	CS/TW	Discrete Structures and Efficient Algorithms	15	201600270	Choose 2 modules of 4, M7 can serve as possible replacement M2 or M5	Marc Uetz			
UT	EWI	**BIT**	Enterprise Architecture	Marloes Grinsven	90EC from Y1 and 30 Y2		1 Module 5	BIT/TBK	Finance for Engineers	15	201400301	This module can be replaced by M7	Berend Roorda			Ok
			IT management & Innovation				2 Module 2	CS / BIT	Software Systems	15	201500111	Mandatory module	Marieke Huisman	Adapted Math part in this module		
			Business Analytics				3 module 7	BIT	From product design to online business	15	201400461	This module can be replaced by M5	Jos van Hilligersberg			
UT	EWI	**Electrical Engineering**		Maarten Korsten	90EC, Mod 5 = ST, Mod 5 and 8 30 passed		EE Premaster HBO	EE		30		Y	Maarten Korsten			ok
							1 premaster HBO		Calculus A	5	201500291					
							1 premaster HBO		Linear Algebra	3	201500292					
							1 premaster HBO		Digital Logic and Computer Organization	3	201500252					
							1 premaster HBO		Linear Systems	2	191231490					
							1 or 2 Premaster HBO		Probability Theory and Statistics	4	201400221					
							2 premaster HBO		Calculus B	4	201500293					
							2 premaster HBO		Linear Systems (continuation)	4	191231490					
							2 premaster HBO		Electricity & Magnetism HBO	5	191403070					
UT	EWI	**Embedded Systems**		Bert Molenkamp	90EC, Mod 5 = ST, Mod 5 and 8 30 passed		Embedded Systems Premaster HBO	Embedded Systems		30		Y	Bert Molenkamp			Ok
							1 premaster HBO		Calculus A	5	201500291					
							2 premaster HBO		Calculus B	4	201500293					
							1 premaster HBO		Linear Algebra	3	201500292					
							1 premaster HBO		Linear Systems	2	191231490					
							2 premaster HBO		Linear Systems	4	191231490					
							1 or 2 premaster HBO		Calculus C	3	191512041					
							1 or 2 premaster HBO		Digital Logic and Computer Organization	4	201400315					
							1 or 2 premaster HBO		Instrumentation for Embedded Systems	5	191210001					
UT	EWI	**Systems & Control**	Mechatronics	Maarten Korsten	90EC, Mod 5 = ST, Mod 5 and 8 30 passed		Systems and Control Premaster HBO	Systems and Control		30		Y	Maarten Korsten			ok

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							1	premaster HBO		Calculus A	5	201500291					
							1	premaster HBO		Linear Algebra	3	201500292					
							1	premaster HBO		Digital Logic and Computer Organization	4	201400315					
							1	premaster HBO		Linear Systems	2	191231490					
							1 or 2	Premaster HBO		Probability Theory and Statistics	4	201400221					
							2	premaster HBO		Calculus B	4	201500293					
							2	premaster HBO		Linear Systems	4	191231490					
							2	premaster HBO		Control Engineering	4	201500340					
UT	EWI	**Human Media Interaction**		Khiet Truong				-		-	0					Direct admission	Ok
UT	ET	**Industrial Design Engineering**	Design and Estuling Emerging Technology	Hiske Schuurman		90EC from Y1 and 30 Y2							Y	Thonie van den Boomgaard			ok
			Design				1	ME module 1		Technical Drawing (ME-B1)	2	201400443					
			Management of Product Development				1	IDE module 5		Physical Ergonomics (B2)	2,5	201400404					
			Cradle to Cradle				1	IDE module 1		Introduction Industrial Design (B1)	1	201600057					
							1	IDE module 1		Statics (B1)	2	201500247					
							1	IDE module 5		Project Human Product Relations (B2)	7,5	201400405					
							2	IDE module 2		Construction (B1)	2,5	201500230					
							2	IDE module 6		Technical Product Modelling 2 (B2)	2,5	201500233					
							2	IDE module 2		Production 1 (B1)	2,5	201400470					
							2	IDE module 6		Project Consumer Products (B2)	7,5	201400413					
UT	ET	**Sustainable Energy Technology**		Genie Stoffels		90EC, Mod 5 = ST, Mod 5 and 8 passed		SET premaster HBO	SET / WB		30		Y	Genie Stoffels			Ok
							1	premaster HBO		Calculus A	5	201500291					
							1	premaster HBO		Linear Algebra	3	201500292					
							1	Seperate Master course		Programming in Engineering (Matlab)	1,5	191158510					
							1	IDE module 5		Energy and Heat Transfer	3	201600134					
							1	Premaster		Capita Selecta SET	2,5	201600378					
							2	premaster HBO		Calculus B	4	201500293					
							2	ME module 2		Engineering Thermodynamics 1	3	201400035					
							2	CiT module 2		Water and Fluid Mechanics	4,5	201500125					
							2	Premaster		Capita Selecta SET	3,5	201600378					
UT	BMS	**Educational Science & Technology**	Learning in Education	Jan Nelissen		90EC from Y1 and 15 Y2	1	Module 9	Psy	Psychology in learning and instruction	15	201400212	Module 9 OR module 10				Ok
		(Dutch: Onderwijskunde)	Learning in Organisations				2	Module 10	Psy	Professional learning in Organisations	15	201500001	Module 9 OR module 10				
							1	premaster HBO	EST	Designing for learning in schools and organisations	5	201300068	This programme is alternative for Module 9 or 10 Psy				
							2	premaster HBO	EST	Research studio	10	201300069	This programme is alternative for Module 9 or 10 Psy				
UT	BMS	**Industrial Engineering and Managment**	Production and Logistics Management	Bernadette Pol		90EC from Y1 and 15 Y2	1	premaster		Linear Algebra	3	201500292	y				Ok
			Health Care and Technology Managmenet				1	premaster		Probability Theory	2	201700018	y				
							1	Premaster		OR models for premaster IEM	10	201500012	Y				

| | | | | | | | | | | Premaster Information | | | | | | | |
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			Financial Engineering and Managment	Bernadette Pol	15			1 premaster		Linear Algebra	3	201500292	y				
								1 premaster		Probability Theory	2	201700018	y				
								1 Premaster		Financial Engineering for premaster IEM	10	201500020	Y				
UT	BMS	Science Education and Communication	Informatica	Gerdy ten Bruggencate	90EC from Y1 and 30 Y2			In minor Space: Leren lesgeven minor, then after CreaTe --> 1 premaster CS	ELAN / CS	Leren lesgeven Minor, followed by CS premaster	15					If the "leren lesgeven" minor has been completed --> 30EC exemption in the master program	Ok
		(Dutch: leren lesgeven)		Ingrid Breymann				In minor Space: Leren lesgeven minor, then after CreaTe --> 2 premaster CS	ELAN / CS	Leren lesgeven Minor, followed by CS premaster	15					However, premaster Computer Science is needed before entry in the master Total Study program in the master including premaster will be 2 years	
UT	BMS	Science Education and Communication	Ontwerpen	Gerdy ten Bruggencate	90EC from Y1 and 30 Y2			In minor Space: Leren lesgeven minor, then after CreaTe --> 1 premaster IO	ELAN / IO	Leren lesgeven Minor, followed by IO premaster	15					If the "leren lesgeven" minor has been completed --> 30EC exemption in the master program	Ok
		(Dutch: leren lesgeven)		Jony Heerink				In minor Space: Leren lesgeven minor, then after CreaTe --> 2 premaster IO	ELAN/ IO	Leren lesgeven Minor, followed by IO premaster	15					However, premaster Industrieel Ontwerpen is needed before entry in the master Total Study program in the master including premaster will be 2 years	
UT	BMS	Philosphy of Science, Technology and Society (PSTS)		Jan Nelissen	90EC from Y1 and 0 Y2			-		-	0					Direct admission	Ok
UT	BMS	Business Administration	All tracks	Andre Veenendaal	90EC from Y1 and 30 Y2			1 Module 5 from IBA	IBA	Strategy, Marketing & Economics	15	201400064	Y				Ok
				Petra de Weerd-Nederhof				2 HT HT module 10	IBA	High Tech Talent Management in a global Context	15	201600001	Y				
UT	BMS	Communication Science	all tracks	John Sevens Jeanet Luijerink	90EC from Y1 and 30 Y2			1 Module 5 Comm. Science	Comm. Science	Fascilitating Technological Change	15	201700001	y				Ok
								2 Premaster	Comm. Science	Communication Research & Design	5	201300065	Y			These courses also taught in Q4	
								2	Comm. Science	Inferential Statistics	5	201300064	Y			These courses also taught in Q4	
								2	Comm. Science	Research Project Premaster CS	5	201300066	Y			These courses also taught in Q4	
UT	TNW	BME Biomedical Engineering Dutch: BMT	Imaging and Diagnostics	John Huttenhuis Jan van Helvert	90EC, Mod 5 = ST Mod 5 and 8 passed			1 premaster HBO		Calculus A	5	201500291				Discuss with study advisor (Jan van Helvert) for precise content	Ok
								1 premaster HBO					Y				
								1 premaster HBO		Linear Algebra	3	201500292	Y				
								1 Customised	BME	Anatomy and Physiology	?		Y				
								2 Module 10	BME	Imaging and Diagnostics	15	201600198	Y				
			Neural and Motor Systems - Systems and Signals		90EC, Mod 5 = ST Mod 5 and 8 passed			1 Module 9	BME	Biorobotics	15	201500061	Y (this package can be replaced by module 7 and module 8 of the BSc programme BMT			Discuss with study advisor (Jan van Helvert) for precise content	Ok
								2 premaster HBO		Calculus B	4	201500293					
								2 premaster HBO		Calculus C	3	191512041					
								2 Customised	BME	Anatomy and Physiology	?						
								3 Module 7	BME	Imaging Technologies	15	201400477		This package can be replaced by Module 9 and the customised packge in quartile 2			
								4 Module 8	BME	Brein in Balans	15	201200230					
			Bionanotechnology					No admission								Too far away from CreaTe prior knowledge, If really desired by student --> contact study advisor BME	
EXTERN		EXTERN		EXTERN			EXTERN		EXTERN		EXTERN		EXTERN		EXTERN		EXTERN
Leiden University	?	Media Technology		Nanda Milbreta				-		-	0					Direct admission	Ok

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UU		**Game and Media Technology (GMT)**		Erik Faber (UT) / Maarten Löffler (UU)	90EC			Parts of premaster HBO programs and Module 2 and 5 CS							Under construction	3EC in Q1 and 2EC in Q2 not to be filled in	Ok
							1	Premaster HBO		Calculus A	5	201500291					
							1	Premaster HBO		Linear Algebra A	3	201500292					
							1	Module 5 CS		Discrete Mathematics	4	201400388					
							1	Module 1 EE		Programming in C	3	201500244					
							2	Premaster HBO		Algorithms, Datastructures and Complexity (ADC)	5	192140200					
							2	Module 2 CS		Programming theory + project	8	201500112					
							2	Premaster ME		Matlan for Premasters	2.5	201600056					
TU/e Technische Universiteit Eindhoven		**Industrial Design Engineering**		Lieke Thijssen	90EC	1+2		Optional: one semester at TU/E in portfolio based eduction	IDE					Students can follow one semester of education at IDE in Eindhoven. This is not mandatory	Direct admission		Ok
International	**EIT**		Digital Media Technology (DMT)	Jan Schut	?			Inform at Jan Schut									Ok
			Cloud Computing and Services (CCS)		?												
			Embedded Systems (ES)		30			See embedded systems premaster								This master cannot be done at UT	
			Human Computer Interaction and Design (HCID)		0			Direct admission, no premaster required								One year of the master can be done at UT (HMI)	
			Internet Technology and Architecture (ITA)		30			See IS&T premaster									
			Security and Privacy (SP)		30			See computer Science premaster									
			Service Design and Engineering (SDE)		?			Inform at Jan Schut									
			Data Science (DSC)		30			See Computer Science premaster									