

University	Faculteit	Master	Track	Master (track) coordinator	Premaster EC	Requirements	Premaster Information						Website	Comments	Action Required?	Bij wie	Extra comments	
							Quartile	Course/ module	Study	Name	EC	Code						Mandatory?
UT	EWI	Computer Science	WiSe	Hans Scholten	30	Y2	90EC from Y1 and 30EC	1	Module 5	CS/ EE	Computer Systems	15	201400120	Y	Andre Kokkeler	Adapted Math part in this module  Module 2 and 5 fit in minor space. However, students with delay can swap one of these modules for a module in quartile 3 (semester 2) Module 2 and 5 fit in minor space. However, students with delay can swap one of these modules for a module in quartile 3 (semester 2)	Ok	
							2	Module 2	CS / BIT	Software Systems	15	201300071	Y	Marieke Huisman				
							3	Module 3	CS/EE	Network Systems	15	201400431	module 2 or 5	Pieter Tjerk de Boer				
							3	Module 7	CS/TW	Discrete Structures and Efficient Algorithms	15	201400433	module 2 or 5	Marc Uetz				

UT	EWI	Computer Science	Security Information Software Engineering Software Technology Methods & Tools for Verification	Jan Schut	30	Y2	90EC from Y1 and 30 Y2	1	Module 5	CS/ EE	Computer Systems	15	201400120	Y	Andre Kokkeler	Adapted Math part in this module  Module 2 and 5 fit in minor space. However, students with delay can swap one of these modules for a module in quartile 3 (semester 2) Module 2 and 5 fit in minor space. However, students with delay can swap one of these modules for a module in quartile 3 (semester 2)	Ok	
							2	Module 2	CS / BIT	Software Systems	15	201300071	Y	Marieke Huisman				
							3	Module 3	CS/EE	Network Systems	15	201400431	module 2 or 5	Pieter Tjerk de Boer				
							3	Module 7	CS/TW	Discrete Structures and Efficient Algorithms	15	201400433	module 2 or 5	Marc Uetz				

UT	EWI	Telematics		Pieter-Tjerk de Boer	30	Y2	90EC from Y1 and 30 Y2	1	Module 5	CS/ EE	Computer Systems	15	201400120	Y	Andre Kokkeler	Adapted Math part in this module  Module 3 is for Telematics most recommended module. Module 2 and 5 fit in minor space. However, students with delay can swap one of these modules for a module in quartile 3 (semester 2) Module 2 and 5 fit in minor space. However, students with delay can swap one of these modules for a module in quartile 3 (semester 2)	Ok	
							2	Module 2	CS / BIT	Software Systems	15	201300071	Y	Marieke Huisman				
							3	Module 3	CS/EE	Network Systems	15	201400431	recommended	Pieter Tjerk de Boer				
							3	Module 7	CS/TW	Discrete Structures and Efficient Algorithms	15	201400433	module 2 or 5	Marc Uetz				

UT	EWI	BIT		Maarten Korsten	30	Y2	90EC from Y1 and 30 Y2	1	Module 5	BIT/TBK	Finance for Engineers	15	201400301	Y	Berend Roorda	Adapted Math part in this module	Ok	
							2	Module 2	CS / BIT	Software Systems	15	201300071	Y	Marieke Huisman				

UT	EWI	Electrical Engineering		Maarten Korsten	30	passed	90EC, Mod 5 = ST, Mod 5 and 8 passed	EE Premaster HBO	EE	30	Y	Maarten Korsten	30	Y	Maarten Korsten	Adapted Math part in this module	Ok	
							1	Total program:	Calculus A	4	191512001							
							1 or 2		Calculus B	3	191512021							
							1 or 2		Probability	3	191530062							
							1		Linear Algebra A	3	191512061							
							1 or 2		Linear Algebra B	2	191512081							
							1 or 2		Linear Systems	6	191231490							
							1 or 2		Electricity & Magnetism	5	191403070							
							1 or 2		Introduction to Technological Research	4								

UT	EWI	Embedded Systems		Bert Molenkamp	30	passed	90EC, Mod 5 = ST, Mod 5 and 8 passed	Embedded Systems Premaster HBO	Embedded Systems	30	Y	Bert Molenkamp	30	Y	Bert Molenkamp	Adapted Math part in this module	Ok	
							1	Total Program	Calculus A	4	191512001							
							1 or 2		Calculus B	3	191512021							
							1 or 2		Calculus C	3	191512041							
							1		Linear Algebra A	3	191512061							
							1 or 2		Linear Algebra B	2	191512081							
							1 or 2		Linear Systems	6	191231490							
							1		Digital Logic and Computer Organization	4	201400315							
							2		Instrumentation for Embedded Systems	5	191210001							

UT	EWI	<b>Systems &amp; Control</b>	Mechatronics	Maarten Korsten	90EC, Mod 5 + ST, Mod 5 and 8 30 passed	Systems and Control Premaster HBO	Systems and Control	Calculus A Calculus B Probability Linear Algebra A Linear Algebra B Linear Systems Control Engineering Introduction to Technological Research	30 4 3 3 3 2 6 5 4	191512001 191512021 191530062 191512061 191512081 Part of Mod 6 EE	Y	Maarten Korsten	<a href="http://www.utwente.nl/sc/programma/premaster/">http://www.utwente.nl/sc/programma/premaster/</a>	Ok
						1 Total Program								
						1 or 2								
						1 or 2								
						1								
						1 or 2								
						1 or 2								
						2								
						1 or 2								

UT	EWI	<b>Human Media Interaction</b>		Mannes Poel	-	-	-	-	0				<a href="http://hmi.ewi.utwente.nl/">http://hmi.ewi.utwente.nl/</a>	Direct admission	Ok
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UT	CTW	<b>Industrial Design Engineering</b>	Design and Estuling Emerging Technology Design Management of Product Development Cradle to Cradle	Hiske Schuurman	90EC from Y1 and 30 Y2	CreaTe premasterpakket 1 1A	IDE	Technisch Tekenen + Productie (WB-B1) Fysiek Ergonomie (B2) Project Mens Product Relaties (B2)	15 5 2,5 7,5	201400206 Y		Thonie van den Boogaard	In DUTCH only!	Ok
						CreaTe premasterpakket 2 1B	IDE	Constructie (B1) Technisch Product modelleren 2 (B2) Product Markt Relaties (B2) Project Consumenten Producten (B2)	15 2,5 2,5 2,5	201400207 Y		Thonie van den Boogaard	In DUTCH only!	Ok

UT	CTW	<b>Sustainable Energy Technology</b>		Winnie Gerbens-Leenes	90EC, Mod 5 + ST, Mod 5 and 8 30 passed	SET premaster HBO	SET / WB	Calculus A Linear Algebra A research skills and academic skills for premaster students Heat & Flow Fluid Mechanics 1 Calculus B Linear Algebra B research skills and academic skills for premaster students Elasticiteit Theorie Technische Thermodynamics	30 4 3 2 3 3 3 2 5,5 1,5 3	191512001 191512061 201400220 201400022 201400025 191512021 191512081 201400220 201400029 201400035	Y	Winnie Gerbens-Leenes	<a href="http://www.utwente.nl/set/premaster/study_programme_pre-master/">http://www.utwente.nl/set/premaster/study_programme_pre-master/</a>	Ok
						1 Total Program								
						1								
						1								
						1								
						2								
						2								
						2								
						2								

UT	BMS	<b>Educational Science &amp; Technology</b> (Dutch: Onderwijskunde)	Learning in Education Learning in Organisations	Jan Nelissen	90EC from Y1 and 30 Y2	1 Module 9	Psy	Professional learning in Organisations	15	201500001			This is an elective module psychology, however mandatory in this premaster	Ok
						2 Module 10	Psy	Learning in the Classroom	15	201500002			This is an elective module psychology, however mandatory in this premaster	

UT	BMS	<b>Philosophy of Science, Technology and Society (PSTS)</b>		Jan Nelissen	90EC from Y1 and 0 Y2	-	-	-	0				<a href="http://www.utwente.nl/psts/">http://www.utwente.nl/psts/</a>	Direct admission	Ok
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UT	BMS	<b>Business Administration</b>		Andre Veenendaal	90EC from Y1 and 30 Y2	1 HBO premaster IBA	IBA	Organisation, Theory & Design	5	201000157 Y			Onderdeel HBO Premaster IBA	Ok
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	Petra de Weerd-Nederhof				1 HT HT module 9	Financial Management of Innovative Enterprises	5	201100059	Y	Rik van Reekum	Onderdeel van HTH module (Innovation, Entrepreneurship & Business Development), gaat nog op oude vakcode weggeschreven worden	Let op! Er valt 10EC in Q1 hier moet dan een elective (uit Q3-4) naast gezet worden
					2 HT HT module 10	IBA Innovation, Entrepreneurship and Business Development	15	??	Y	Rik van Reekum		Ok
					4 HBO premaster IBA	Strategy and Marketing	5	201400014	Y			Let op! Voor dit jaar valt dit onderdeel in Q4. Voor spreiding studielast moet dus elective uit afstudeersemester naar semester 1

UT	TNW	BME Biomedical Engineering Dutch: BMT	Imaging and Diagnostics	Laura Bergmans	90EC, Mod 5 + ST Mod 5 en 8 gehaald	1 To be decided 2 Module 10	BME BME	Imaging and Diagnostics	15	?	Y	wegwerken deficiënte (voornamelijk wiskunde), in overleg met BME Dit is verdiepingmodule BMT voor deze track	Dit moet nog uitgezocht worden
			Neural and Motor Systems		90EC, Mod 5 + ST Mod 5 en 8 gehaald	1 Module 9 2 To be decided	BME BME	Neural and Motor Systems	15	?	Y	Dit is verdiepingmodule BMT voor deze track wegwerken deficiënte (voornamelijk wiskunde), in overleg met BME	Dit moet nog uitgezocht worden
			Bionanotechnology			No admission						Too far away from Crea's prior knowledge, if really desired by student -> contact study advisor BME	

EXTERN	EXTERN	EXTERN	EXTERN	EXTERN	EXTERN	EXTERN	EXTERN	EXTERN	EXTERN
Leiden University	Media Technology	Nanda Milbreta	-	-	0	http://mediatechnology.leid	Direct admission		Ok

UU	Game and Media Technology (GMT)	Maarten Löffler	90EC	2	Module 2	CS / BIT	Software Systems	15	201300071	Y	Marieke Huisman	Adapted Math part in this module	Ok Let op: 1) voor M7 is wel voorkennis nodig van discrete wiskunde 2) Lineaire algebra mist nu --> homologatie bij GMT 3) bij nominaal studeren moet student in Q1 dus preFinal module doen
Utrecht University				3	Module 7	CS/TW	Discrete Structures and Efficient Algorithms	15	201400433	Y	Marc Uetz		

TU/e Technische Universiteit Eindhoven	Industrial Design Engineering	Lieke Thijssen	90EC	1+2	one semester at TU/E in portfolio based education	IDE					https://www.tue.nl/universiteit/faculteiten/industrial-design/	Students can follow one semester of education at IDE in Eindhoven. This is not mandatory	Ok
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TU/e Technische Universiteit Eindhoven	Human Technology Interaction	Jaap Ham	90EC	1 of 2 of 3 of 4	Introduction Psychology & Technology			5	OHV10	Yes, so wie so verplicht tenzij op UT psy vakken gedaan (zie onder)	https://www.tue.nl/studeren/tue-graduate-school/masteropleidingen/human-technology-interaction/		Dit is afspraak als studenten niet in Twente aanvullende vakken volgen. OHV10 (SEC) is verplicht en dan kiezen studenten of Cognition (15EC erbij dus totaal 20EC) of DPn (10EC erbij dus totaal 15EC) 10EC hiervan kunnen studenten als homologatie in master doen
		email 1-10-2015			--En of b1, of b2 (waarvan ze dan OHV100 niet hoeven te doen).								
					<b>b1. Cognition</b>								
					Q2A Social Psychology and Consumer Behavior	HTI		5	OHV30				
					Q4C Thinking and Deciding	HTI		5	OHV60				

Q1B	HTI in Social Context	HTI	5 OHV80	
	<b>b2. BPA</b>			
Q4C	Brain Body Behavior	HTI	5 OHV40	
Q3D	Perception and Motor Control	HTI	5 OHV20	
Q2C	<del>Human Factors</del>	<del>HTI</del>	<del>OHV100</del>	
<p>Als studenten M1 van Psychologie hebben gedaan</p> <p>Als studenten M2 van Psychologie hebben gedaan</p>				<p>Vrijstelling voor Introduction Psychology &amp; Technology (OHV10)</p> <p>Vrijstelling voor Social Psychology and Consumer Behavior (OHV30)</p> <p>Dan totaal nog pakket van 10 of 15EC aan TU/e nodig --&gt; homologatie master HTI?</p> <p>Dan totaal nog pakket van 10 of 15EC (of 5 of 10EC als M1 psy ook gedaan) aan TU/e nodig --&gt; homologatie master HTI?</p>

Hier staan de vrijstellingen als studenten iets hebben gedaan in Twente op psychologie gebied

EIT	EIT	Digital Media Technology (DMT)	Jan Schut		
		Cloud Computing and Services (CCS)			
		Embedded Systems (ES)			
		Human Computer Interaction and Design (HCID)		With UT	
		Internet Technology and Architecture (ITA)			
		Security and Privacy (SP)		With UT	
		Service Design and Engineering (SDE)			
		Data Science (DSC)			

Ok

Werkdocument Premasters CreaTe 2015 – 2106

Datum: 8 oct 2015

Overzicht

Study	Information								
	University	Faculty	Study	Track	Coordinator	Premaster ECs	Semester 1 or 2	Premaster content	Status
Human Media Interaction	UT	EWI	HMI		Mannes Poel	0	-	-	OK
Electrical Engineering	UT	EWI	EE		Maarten Korsten	30	1	HBO premaster EE	OK
Embedded Systems	UT	EWI	ES		Bert Molenkamp	30	1	HBO premaster Embedded Systems	OK
CS-Wireless Sensor Networks	UT	EWI	CS	WiSe	Hans Scholten	30	1	2 out of 4: Mod 2, 3, 5 or 7 CS (5 = preferred)	OK
CS-Security	UT	EWI	CS	Security	Jan Schut	30	1	2 out of 4: Mod 2, 3, 5 or 7 CS	Ok
CS-Information Software Engineering	UT	EWI	CS	ISE	Jan Schut	30	1	2 out of 4: Mod 2, 3, 5 or 7 CS	Ok
CS-Software Technology	UT	EWI	CS	ST	Jan Schut	30	1	2 out of 4: Mod 2, 3, 5 or 7 CS	Ok
CS-Methods & Tools for Verification	UT	EWI	CS	MTV	Jan Schut	30	1	2 out of 4: Mod 2, 3, 5 or 7 CS	Ok
Telematics	UT	EWI	Tel		Pieter-Tjerk de Boer	30	2	2 out of 4: Mod 2, 3, 5 or 7 CS (3 = preferred)	Ok
Business Information Technology	UT	EWI	BIT		Maarten Korsten	30	1	Mod 5 BIT + Mod 2 CS/BIT	OK
Systems and Control	UT	EWI	S&C	Mechatronics	Maarten Korsten / Peter Breedveld	30	1	HBO premaster Systems & Control	OK
Industrial Design Engineering	UT	CTW	IDE	3 tracks	Hiske Schuurman	30	1	Dedicated CreaTe premaster modules	OK
Sustainable Energy Technology	UT	CTW	SET		Winnie Gerbens-Leenes	30	1	HBO premaster SET	OK
Philosophy of Science and Technology	UT	BMS	PSTS		Jan Nelissen	0	-	-	OK

Educational Science and Technology	UT	BMS	EST	2 tracks	Jan Nelissen	30	1	Module 9 and 10 Psychology – EST specialization	Ok
Science Education and Communication	UT	BMS	SEC	Science Education	Gerdy ten Bruggencate	30	1	Custom made: Note this is only for teacher Computer Science (Informatica). This is in Dutch!	OK
Business Administration	UT	BMS	BA	?	Andre Veenendaal	30	1+2	Agreement for 2015-2016: 10EC in Q1 15EC in Q2 5 EC in Q4	Ok, but note clash with graduation semester in Q4
Biomedical Engineering	UT	TNW	BME	Imag. & Diag.	Laura Bergmans	30	1	Module 10 + to be decided	Not Ok, have to check deficiencies CreaTe
Biomedical Engineering	UT	TNW	BME	Neural and Motor Sys.	Laura Bergmans	30	1	Module 9 + to be decided	Not Ok, have to check deficiencies CreaTe
Game and Media Technology	UU		GMT	?	Maarten Löffler	30		Mod 2 and 7 CS	Ok, linear Algebra in master. Note: mod 7 in Q3!
Media Technology	UL		MT		Nanda Milbreta	0	-	-	OK
Industrial Design Engineering	TU/e		IDE		Lieke Thijssen	0		Students are encouraged to follow 1 semester	OK
Human Technology Interaction	TU/e		HTI		Judith Smits	15 – 20		Minor HTI @ TU/e or if M1 and M2 Psychology @ UT → direct acces to master	Ok
EIT	Europe		EIT – different tracks		Jan Schut	?		Custom made with Jan Schut	Ok

Aandachtspunten premasters:

- 1) All CS master require a 2 out of 4 CS module choice. In some cases strong preferences exist (Wise → module 5, Telematics → module 3)

- 2) Telematics: preferred premaster module is in Q3. Prefinal Module 11 in Q1 for nominal students?
- 3) Game and Media Technology (Universiteit Utrecht): Require M2 CS and M7 CS which is in Q3.
  - a. Prefinal Module 11 in Q1 for nominal students?
  - b. Students still lack linear algebra → can be solved as homology course in GMT master
  - c. M7 CS requires preknowledge in discrete mathematics → students have to take care of this on their own.
- 4) Business Administration: nu zit 1 vak in Q4 → swappen met een elective uit semester 2 die dan in Q1 gevolgd kan worden. Actiepunt CreaTe. Next year differently?
- 5) Biomedical Engineering: in ieder geval moet een jaar 3 keuzemodule gevolgd worden. Vermoedelijk hebben CreaTers verder nog deficiëntie weg te werken (met name wiskunde) → nog overleggen met Laura en docenten BME
- 6) EIT master school: vraag details op bij Jan. Zijn nu al 3 (ex) CreaTe studenten bezig in EIT.