Matrix of options join-in minors 2nd semester 2017-2018

Minors							Programmes																	
							ET			EEMCS					BMS					ST					
Minor code	**Module name**	**Quartile**	**Language**	**Faculty**	**Programme**	**Module code**	CE	ID	ME	BIT	CrT	EE	CS	AM	COM	PSY	EPA	IBA	IEM	AT	BE	HS	CHE	TM	AP
CTW-JM-VEV-15	Traffic and Transport	M3	English	ET	CE	201700152				1) *	1)	1) *	1) *	1)	1)	1)	1)	1)	1) *	1, 19) *	1) *	1)		1)	1) *
CTW-JM-OVB-15	Design of onstructions	M4	English	ET	CE	201700153				2)	2)	2) *	2)	2)					2) *	2, 19) *	2) *			2)	2)
CTW-JM-GEON-15	Urban Development/Spatial Planning	M7	Dutch	ET	CE	201700283																			
CTW-JM-MASP-15	Modelling and analysis of stochastic processes CE	M8	English	ET	CE	201400147		3)		3)	3)	3)	3)							3)	3)		3)	3)	3)
CTW-JM-VEW-16	Fluid mechanics & Heat transfer	M7	Dutch	ET	ME	201700127	4)	4)		4)	4)	4)	4)	4)	4)	4)	4)	4)	4)	4)	4)	4)		4)	
EWI-JM-PDOB-15	From product design to online business	M7	Dutch	EEMCS	BIT	201400467																			
EWI-JM-BIPM-15	Business innovation through IT project management	M8	English	EEMCS	BIT and IBA	201500310												18)							
EWI-JM-AIT-17	Art, Impact, Technology**	M4	English	EEMCS	CrT	201600232	5)		5)					5)	5)	5)	5)	5)	5)	5,19)	5)	5)		5)	5)
EWI-JM-DFSS-17	Data: From the source to the senses**	M8	English	EEMCS	CrT	201600234	6)	6)	6)			6)		6)	6)	6)	6)	6)	6)	6)	6)	6)	6)	6)	6)
EWI-JM-ELEC-15	Electronics	M3	English	EEMCS	EE	201700287	7) *			7)	7)		7)	7)	7)	7)	7)	7)	7) *	7, 19) *	7) *	7)		7)	
EWI-IM-EEP-16	Electrical Engineering participation in a large multidisciplinary project	Q3 or Q4	English	EEMCS	EE	201600006																			
EWI-JM-NWST-15	Network systems	M3	English	EEMCS	CSC	201600197	*	*	*	*		17) *							*	19) *	*		*		*
EWI-JM-PRP-16	Programming paradigms	M8	English	EEMCS	CSC	201400537																			
EWI-JM-SEO-15	Signals and Uncertainty	M3	English	EEMCS	AM	201300182	8)			8)	8)		8)						8)		8)	8)	8)	8)	
EWI-JM-VEE-15	Fields and Electromagnetism	M4	English	EEMCS	AM	201400535		9)		9)	9)		9)						9)			9)		9)	
EWI-JM-DSEA-15	Discrete structures and Efficient algorithms	M7	Dutch	EEMCS	AM and CS	201700304	10)	10)	10)	10)	10)	10)							10)	10)	10)	10)	10)	10)	10)
BMS-JM-UEX-17	User experience	M3	English	BMS	COM	201600096														19)					
BMS-JM-PTE-17	Persuasive technology	M4	English	BMS	COM	201600097	11)	11)	11)	11)	11)	11)	11)	11)		11)	11)	11)	11)	11, 19)	11)	11)	11)	11)	11)
BMS-JM-COR-17	Changing organizations	M8	English	BMS	COM	201700004	12)	12)	12)	12)	12)	12)	12)	12)		12)	12)	12)	12)	12)	12)	12)	12)	12)	12)
BMS-JM-EIC-16	Europe in crisis?	M7	English	BMS	EPA	201700107																			
BMS-JM-EUW-16	Europe and the world	M8	English	BMS	EPA	201700108																			
BMS-JM-PMP-16	Policy-making and Planning	M7	English	BMS	EPA	201700109																			
BMS-JM-SLG-16	Street-level governance	M8	English	BMS	EPA	201700110																			
BMS-JM-SUMA-15	Supply management	M7	English	BMS	IBA	201400109	13)	13)	13)	13)	13)	13)	13)	13)	13)	13)	13)	18)	13)	13)	13)	13)	13)	13)	13)
BMS-JM-DMNB-15	Digital marketing for networked business	M7	English	BMS	IBA	201400068	13)	13)	13)	13)	13)	13)	13)	13)	13)	13)	13)	18)	13)	13)	13)	13)	13)	13)	13)
BMS-JM-FESIF-15	Financing entrepreneurial startups and innovative firms	M8	English	BMS	IBA	201500016	13)	13)	13)	13)	13)	13)	13)	13)	13)	13)	13)	18)		13)	13)	13)	13)	13)	13)
BMS-JM-BIIT-15	Business intelligence and IT	M3	English	BMS	IEM and BIT	201300107	*					*	*							19) *	*				*
BMS-JM-MSP-16	Modelling and analysis of stochastic processes for IEM	M8	English	BMS	IEM and CE/AM	201400062		3)	3)	3)	3)	3)	3)							3)	3)		3)	3)	3)
TNW-JM-FOM-15	Fundamentals of materials	M3	English	ST	AT	201700092	14) *			14)	14)	14) *	14)	14)	14)	14)	14)	14)	14) *		14) *	14)		14)	
TNW-JM-MIW-15	Biomedical measurement	M3	Dutch	ST	BE	201100215	8) *				8)	8) *		8)	8)	8)	8)	8)	8) *	8, 19) *		8)		8)	
TNW-JM-ADBO-15	Bone adaptation	M4	Dutch	ST	BE	201100227	8) *			8)	8)	8) *	8)	8)	8)	8)	8)	8)	8) *	8, 19) *		8)	8) *	8)	8)
TNW-JM-ITMM-15	Imaging technologies	M7	Dutch	ST	BE	201400477																			
TNW-JM-BIB-15	Brain physiology and Mechanical science	M8	Dutch	ST	BE	201200230																			
TNW-JM-OIZ-17	Designing in healthcare	M7	Dutch	ST	HS	201700299																			
TNW-JM-TEM-17	Technology and society	M8	Dutch	ST	HS	201700301																			
TNW-JM-PRON-15	Process design	M8	Dutch	ST	CHE	201400164	15)	15)	15)	15)	15)	15)	15)	15)					15)	15)	15)			15)	15)
TNW-JM-MST-16	Materials Science & Technology	M8	Dutch	ST	CHE	201600135	16)	16)	16)	16)	16)	16,17)	16)	16)	16)	16)	16)	16)	16)		16)	16)		16)	

Exclusion	**Based on:**
	Overlap
	Not accessible
	Blocked by own program

Admission requirements from offering programme

1) Maths A level and have affinity for technical sciences.
2) The student must have followed UT mathematics B1, B2 and Mechanics (module 1 Civil Engineering or similar).
3) The student must be acquainted with statistics and probability theory, and preferably have affinity for technical sciences.
4) Only accessible to students who passed UT mathematics D2.
5) The student must have experience with programming
6) The student must have advanced experience with programming
7) The student must have followed the UT mathematics track (first year) and have sufficient knowledge about electrical circuits (e.g. by having followed module 2 from EE)
8) The student must have followed the UT mathematics track (first year).
9) Only accessible to students who have followed the UT mathematics track (first year) and did NOT follow the course Electricity and Magnetism (Applied Physics) or anything similar.
10) The student must understand the subjects from the UT mathematics track (first year), in particular linear algebra.
11) The student must have knowledge about descriptive statistics (scale construction, data collection and factor analysis) and basic knowledge of the software program SPSS.
12) The student must be able to carry out a limited literature review, must have knowledge of qualitative research designs, interview techniques, qualitative data analysis and must be able to work with the program ATLAS.ti.
13) Basic knowledge required about subjects like Organisation, Operational Management, Strategy, Marketing, Bookkeeping and Finances, and Statistical Computer Skills. Please see the module description in Osiris.
14) Only suitable for students with prior knowledge about technical sciences and sufficient mathematical insight.
15) Only suitable for students from technical studies who have sufficient knowledge about the basic principles of physical transport phenomena and have followed an introductory course in process engineering.
16) Only suitable for students with prior knowledge about technical sciences and sufficient mathematical insight. Also, prior knowledge about materials engineering is required.
17) Network Systems is only accessible to students who have not followed the module Network Systems (M7b). Material Science & Technology is only accessible to students who have not followed the module Device Physics (M7a).
18) IBA students who did not choose one of these modules as an elective yet, can choose 1 of these 3 modules as a minor.
19) The student can only follow this module if it is part of the admission requirements for the Master program. Please contact your study advisor.

Note: Use the minor code to register, use the module code to request more information in Osiris on the relevant module.

* Note: Possibly this module contains mathematics that you have already had in your regular program, for this you will probably have to do a replacement part. Please contact your study coordinator about this.
** Limeted number of places available.