For students enrolled in B-CSE before Academic year 2020-2021: Transitional arrangements related to changes in Modules 4 & 7 in BSc Chemical Science & Engineering (CSE)

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These transitional arrangements apply to students who started in the CSE programme before 2020 and that still need to pass (parts of) Module 7: Molecules & Materials.
In accordance with article 8.4 of the general section of the EER and article 9 of the CSE programme-specific appendix of the EER, this document explains transitional arrangements to provide alternatives for module parts that have changed because of changes in the overall study programme. These transitional arrangements take effect on 31 August 2021 and are valid starting the academic year 2021-2022.

Changes: content

CSE Module 4 ("Equilibria and Electrochemistry") has a different content as of 2020-2021. To make room for more Electrochemistry in M4, Analytical chemistry was moved from M4 to M7. See tables 1 and 2 for the "old" and the "new" curriculum.

Table 1: Curriculum CSE Modules 4 and 7 "old style"

Module 4, curriculum until Sept 2020 "Physical and Analytical Chemistry"	**EC**	**Module 7, curriculum until Sept 2021 "Molecules & Materials"**	**EC**
Equilibria and analytical chemistry	**9.5**	Organic and Bio-organic chemistry	**6.0**
Chemical equilibria	*3.0*		
Electrochemistry	*1.5*	Lab course: Organic and Bio-organic chemistry	**2.0**
Phase equilibria	*1.5*		
Analytical chemistry	*2.5*	Colloid & Nano chemistry	**7.0**
Project	*1.0*	*Colloid chemistry*	*3.0*
		Nano chemistry	*2.0*
Lab course analytical chemistry	**2.5**	*Project*	*2.0*
Calculus 2	**3.0**		

Table 2: Curriculum CSE Modules 4 and 7 "new style"

Module 4, new TOM2.0 curriculum "Equilibria & Electrochemistry" since Sept 2020	**EC**	**Module 7, new curriculum "Molecules & Materials" since Sept 2021**	**EC**
Equilibria	**5.0**	Organic and Bio-organic chemistry	**6.0**
Chemical equilibria	*3.0*	Lab course: Organic and Bio-organic chemistry	**2.0**
Phase equilibria	*1.5*	Colloid chemistry	**3.0**
Phase equilibrium experiment	*0.5*	Characterisation of Molecules & Materials	**4.0**
Electrochemistry[1]	**7.0**	Chemistry	
Electrochemistry (theory)	*3.0*	*Analytical chemistry*	*2.5*
Practicum + Project	*4.0*	*Practicum Analytical & Surface Chemistry*	*1.5*
Calculus 2	**3.0**		

Some students passed the "old" Module 4 from table 1 while they have not yet passed the "old" Module 7 from that same table. These transitional arrangements apply to students who follow the path that is depicted by the orange arrow ("old" M4 (table 1) and "new" M7 (table 2)), and aim to prevent that students follow a course in Analytical chemistry again, with similar content. These students follow all parts of M7, except for the new Analytical chemistry course, which is swapped

[1] 1.5 EC was already in TOM1.0 Module 4; the rest is new

with the study unit "Chemistry of the Biological Cell". This programme, with an alternative module 7, is depicted in Table 3. As shown in Table 3, this implies that these students follow a module that consists of 15.5 EC instead of 15 EC.

Table 3: Curriculum CSE Modules 4 and 7 for students who passed Analytical chemistry in Module 4

Module 4, old curriculum "Physical and Analytical Chemistry"	**EC**	**Module 7, adapted new curriculum "Molecules & Materials"** *for students who passed Analytical Chemistry in Module 4*	**EC**
Equilibria and analytical chemistry	**9.5**	Organic and Bio-organic chemistry	**6.0**
Chemical equilibria	*3.0*	Lab course: Organic and Bio-organic chemistry	**2.0**
Electrochemistry	*1.5*		
Phase equilibria	*1.5*	Colloid chemistry	**3.0**
Analytical chemistry	*2.5*		
Project	*1.0*		
Lab course analytical chemistry	**2.5**	Practicum Analytical and Surface Chemistry	**1.5**
Calculus 2	**3.0**	Chemistry of the Biological Cell	**3.0**

Nano chemistry (2.0 EC, see table 1) was removed from Module 7 since Sept 2021; if they wish, students can choose a (bio)nano technology course in their elective space of Module 11.

The parts above and below that are written in italics are parts of study units. If students have passing partial grades yet failed to pass the study unit of the old M4 or M7 curriculum, they can contact the study advisor to discuss the possibility of using these results to pass certain study units.
Table 4 depicts transitional arrangements for Module 7: what should a student do to still pass the module in case they passed (parts of) study units and not the whole module?

Table 4. Transitional arrangements CSE Module 7

Failed part(s) of "old" Module 7	**Required action to pass Module 7**
Organic and Bio-organic chemistry	Redo this study unit in the new M7
Lab course: Organic and Bio-organic chemistry	Redo this study unit in the new M7
Colloid chemistry (3.0 EC)	Do the study unit Colloid Chemistry in the new M7
Nano Chemistry (2.0 EC)	• If student passed Colloid Chemistry and Project: do *Practicum Analytical and Surface Chemistry*, finish standard part of module with 14.5 EC; discuss with study advisor and module coordinator how to individually add 0.5 EC • If student passed Colloid Chemistry: do Characterisation of Molecules & Materials Chemistry (you finish the new M7)
Project (2.0 EC)	Do *Practicum Analytical and Surface Chemistry*, finish standard part of module with 14.5 EC; discuss with study advisor and module coordinator how to individually add 0.5 EC