

Regulations w.r.t. Temporary measure on Bachelor/Master transition because of COVID-19

Position Ministry of Education

Because of the COVID-19 crisis, the Ministry of Education has decided that master programmes can deviate from the formal entry requirement of completion of the bachelor programme, before starting a master programme ('Harde Knip' or 'Bachelor-before-Master'). This results in a 'Zachte Knip' between bachelor and master programmes. This is an exceptional and temporary measure to prevent, or limit, unnecessary study delay due to the COVID-19 crisis.

Position TU Delft

The TU Delft wants to limit potential detrimental effects of the Corona measures for students' study progress. Although much of the education continues, students have been confronted – more than usual – with exceptional circumstances. Therefore, the TU Delft has decided to adopt an university-wide regulation with limited variance between programmes.

Target group

This regulation applies to the following students that want to start the master programmes at Electrical Engineering, Mathematics and Computer Science.¹

- (1) Students from the bachelor programmes Electrical Engineering, Applied Mathematics and Computer Science Engineering;
- (2) Students from other TU Delft bachelor programmes (that have direct admission to the master programme Sustainable Energy Technology);
- (3) Students from the bridging programmes giving admission to the master programmes Electrical Engineering, Applied Mathematics, Embedded Systems, Computer Engineering and Computer Science.

Depending on the national discussion with the ministry of Education the following target groups may also be included. If (some of) these target groups must also be included following these discussions, the Faculty Electrical Engineering, Mathematics and Computer Science; will evaluate if the applicant has sufficient prior knowledge in order to start the master programmes of the Faculty Electrical Engineering, Mathematics and Computer Science.

- (4) Students from other Dutch bachelor programmes (that have direct admission to the master programmes of the Faculty Electrical Engineering, Mathematics and Computer Science)
- (5) Students from other non-Dutch bachelor programmes (that have direct admission to the master programmes of the Faculty Electrical Engineering, Mathematics and Computer Science)

¹ To clarify: this means these regulations apply to students that start with their master programme, but it does not apply to students that want to start the bridging programme.

Measures Faculty of Electrical Engineering, Mathematics and Computer Science (EEMCS)

These measures are a one-time dispensation, so only considering the status of students with their results on August 31, 2020 (i.e. with all results obtained in the academic year 2019/2020). It does not apply after that date.

Master Applied Mathematics

Measures Bachelor students

Students with a maximum of 15 EC missing from their regular bachelor curriculum (including the minor programme) on August 31, 2020 can continue in the master programme Applied Mathematics

- This implies for regular bachelor students that they will need to have obtained 165 out of 180 EC, determined by official OSIRIS EC (i.e. based on the modules).
- Specifically for bachelor students Applied Mathematics and the double Bachelor Applied Physics and Applied Mathematics, at the Delft University of Technology, that will continue to the master programme Applied Mathematics, AM2090 Real Analysis and AM3000 Bachelor Project must have been completed, in order to be eligible for the temporary measure.
- Specifically for bachelor students from another bachelor programme at the Delft University of Technology, following a bridging programme that will continue to the master programme Applied Mathematics, the final bachelor project from their bachelor programme and AM1010 or TW1010 Mathematical Structures from the bridging programme must have been completed, in order to be eligible for the temporary measure.

Measures bridging students

Students with a maximum of 15 EC missing from their registered bridging programme determined by official OSIRIS EC on August 31, 2020, can continue in the master programmes of the faculty Electrical Engineering, Mathematics and Computer Science (EEMCS).

- Specifically for students following *a bridging programme* that will continue to the master programme Applied Mathematics, must have completed AM1010 or TW1010 Mathematical Structures, and AM2070 Partial Differential Equations or WI3151TU Partial Differential Equations B from the bridging programme, in order to be eligible for the temporary measure.

Master Computer Engineering

Measures Bachelor students

Students with a maximum of 15 EC missing from their regular bachelor curriculum (including the minor programme) on August 31, 2020 can continue in the master programme Computer Engineering.

- This implies for regular bachelor students that they will need to have obtained 165 out of 180 EC, determined by official OSIRIS EC (i.e. based on the modules).

- Specifically for bachelor students Computer Science and Engineering at the Delft University of Technology, that will continue to the master programme Computer Engineering, TI3806 Bachelor's Thesis or CSE3000 Research Project must have been completed, in order to be eligible for the temporary measure.
- Specifically for bachelor students Electrical Engineering at the Delft University of Technology, that will continue to the master programme Computer Engineering, EE3L11 Bachelor graduation project Electrical Engineering must have been completed, in order to be eligible for the temporary measure.

Measures bridging students

Students with a maximum of 15 EC missing from their registered bridging programme determined by official OSIRIS EC on August 31, 2020, can continue in the master programmes of the faculty Electrical Engineering, Mathematics and Computer Science (EEMCS).

- Specifically for students following a *HBO bridging programme* that will continue to the master programme Computer Engineering, must have completed WI708TH2 Analyse deel 2 and WI1909TH Differentiaalvergelijkingen from the bridging programme, in order to be eligible for the temporary measure.
- Specifically for students following an *individual HBO English bridging programme* that will continue to the master programme Computer Engineering, must have completed EE2M11 Complex Analysis and EE2M21 Linear Algebra and Differential Equations from the bridging programme, in order to be eligible for the temporary measure.

Master Computer Science

Measures Bachelor students

Students with a maximum of 15 EC missing from their regular bachelor curriculum (including the minor programme) on August 31, 2020 can continue in the master programme Computer Science.

- This implies for regular bachelor students that they will need to have obtained 165 out of 180 EC, determined by official OSIRIS EC (i.e. based on the modules).
- Specifically for bachelor students Computer Science and Engineering at the Delft University of Technology, that will continue to the master programme Computer Science, TI2306 or CSE2310 Algorithm Design, and TI3806 Bachelor's Thesis or CSE3000 Research Project must have been completed, in order to be eligible for the temporary measure.
- Specifically for bachelor students from another bachelor programme at the Delft University of Technology, following a bridging programme that will continue to the master programme Computer Science, the final bachelor project from their bachelor programme and TI2306 or CSE2310 Algorithm Design for their bridging programme must have been completed, in order to be eligible for the temporary measure.

Please note, the maximum of 15 missing EC applies to the total EC of the bachelor and the bridging program together.

Measures bridging students

Students with a maximum of 15 EC missing from their registered bridging programme determined by official OSIRIS EC on August 31, 2020, can continue in the master programmes of the faculty Electrical Engineering, Mathematics and Computer Science (EEMCS).

- Specifically for students following the *HBO Technische Informatica bridging programme* that will continue to the master programme Computer Science, must have completed WI1708TH2 Analyse deel 2 or CSE1200 calculus, and WI1807TH2 Lineaire Algebra 2 or CSE1205 Linear Algebra, in order to be eligible for the temporary measure.
- Specifically for students following the bridging programme CS for Bachelor Research University graduates, that will continue to the master programme Computer Science, must have completed TI2306 or CSE2310 Algorithm Design, and TI2316 or CSE2315 Automata, Languages and Computability from the bridging programme, in order to be eligible for the temporary measure.

Master Electrical Engineering

Measures Bachelor students

Students with a maximum of 15 EC missing from their regular bachelor curriculum (including the minor programme) on August 31, 2020 can continue in the master programme Computer Science.

- This implies for regular bachelor students that they will need to have obtained 165 out of 180 EC, determined by official OSIRIS EC (i.e. based on the modules).
- Specifically for bachelor students Electrical Engineering at the Delft University of Technology, that will continue to the master programme Electrical Engineering, EE3L11 Bachelor graduation project Electrical Engineering must have been completed, in order to be eligible for the temporary measure.

Specifically for bachelor students from another bachelor programme at the Delft University of Technology, following a bridging programme that will continue to the master programme Electrical Engineering, the final bachelor project from their bachelor programme must have been completed, in order to be eligible for the temporary measure. Please note, the maximum of 15 missing EC applies to the total EC of the bachelor and the bridging program together.

Measures bridging students

Students with a maximum of 15 EC missing from their registered bridging programme determined by official OSIRIS EC on August 31, 2020, can continue in the master programmes of the faculty Electrical Engineering, Mathematics and Computer Science (EEMCS).

- Specifically for students following a *HBO bridging programme* that will continue to the master programme Electrical Engineering, must have completed WI708TH2

Analyse deel 2 and WI1909TH Differentiaalvergelijkingen from the bridging programme, in order to be eligible for the temporary measure.

- Specifically for students following *an individual HBO English bridging programme* that will continue to the master programme Electrical Engineering, must have completed EE2M11 Complex Analysis and EE2M21 Linear Algebra and Differential Equations from the bridging programme, in order to be eligible for the temporary measure.

Master Embedded Systems

Measures Bachelor students

Students with a maximum of 15 EC missing from their regular bachelor curriculum (including the minor programme) on August 31, 2020 can continue in the master programme Embedded Systems.

- This implies for regular bachelor students that they will need to have obtained 165 out 180 EC, determined by official OSIRIS EC (i.e. based on the modules).
- Specifically for bachelor students Computer Science and Engineering at the Delft University of Technology, that will continue to the master programme Embedded Systems, TI3806 Bachelor's Thesis or CSE3000 Research Project must have been completed, in order to be eligible for the temporary measure.
- Specifically for bachelor students Electrical Engineering at the Delft University of Technology, that will continue to the master programme Embedded Systems, EE3L11 Bachelor graduation project Electrical Engineering must have been completed, in order to be eligible for the temporary measure.

Measures bridging students

Students with a maximum of 15 EC missing from their registered bridging programme determined by official OSIRIS EC on August 31, 2020, can continue in the master programmes of the faculty Electrical Engineering, Mathematics and Computer Science (EEMCS).

- Specifically for students following *a HBO bridging programme* that will continue to the master programme Embedded Systems, must have completed WI1708TH2 Analyse deel 2 and WI1909TH Differentiaalvergelijkingen, in order to be eligible for the temporary measure.
- Specifically for students following *an individual HBO English bridging programme* that will continue to the master programme Embedded Systems, must have completed EE2M11 Complex Analysis and EE2M21 Linear Algebra and Differential Equations from the bridging programme, in order to be eligible for the temporary measure.

Master Sustainable Energy Technology

Students with a maximum of 15 EC missing from their regular bachelor curriculum (including the minor programme) on August 31, 2020 can continue in the master programme Sustainable Energy Technology.

- This implies for regular bachelor students that they will need to have obtained 165 out of 180 EC, determined by official OSIRIS EC (i.e. based on the modules).
- Specifically for bachelor students Aerospace Engineering at the Delft University of Technology, that will continue to the master programme Sustainable Energy Technology, AE3200 Design Synthesis must have been completed, in order to be eligible for the temporary measure.
- Specifically for bachelor students Applied Earth Sciences at the Delft University of Technology, that will continue to the master programme Sustainable Energy Technology, AESB3400 Bachelor Thesis must have been completed, in order to be eligible for the temporary measure.
- Specifically for bachelor students Applied Physics at the Delft University of Technology, that will continue to the master programme Sustainable Energy Technology, TN2983 Bachelor Eindproject must have been completed, in order to be eligible for the temporary measure.
- Specifically for bachelor students Electrical Engineering at the Delft University of Technology, that will continue to the master programme Sustainable Energy Technology, EE3L11 Bachelor graduation project Electrical Engineering must have been completed, in order to be eligible for the temporary measure.
- Specifically for bachelor students Life Science and Technology Molecular Science and Technology at the Delft University of Technology, that will continue to the master programme Sustainable Energy Technology, 4052LEON4 Bachelor Thesis project. must have been completed, in order to be eligible for the temporary measure.
- Specifically for bachelor students Maritieme Techniek at the Delft University of Technology, that will continue to the master programme Sustainable Energy Technology, MT3BEP Bachelor Eindproject must have been completed, in order to be eligible for the temporary measure.
- Specifically for bachelor students Werktuigbouwkunde (Mechanical Engineering) at the Delft University of Technology, that will continue to the master programme Sustainable Energy Technology, WB3BEP-16 Bachelor Eindproject must have been completed, in order to be eligible for the temporary measure.

Official enrollment master programme




Students that will continue under the temporary measure on Bachelor/Master transition because of COVID-19 ("Zachte knip") will be registered as bachelor students, and will be allowed to take Master courses. By establishing these regulations:

- the Dean formally allows students to take the master courses (incl. the course assessment);
- the Board of Examiners approves that obtained results (i.e. pass grades) for the master courses will be registered for the master examination programme when the student formally completes their bachelor or bridging programme.

Students that will continue under the temporary measure on Bachelor/Master transition because of COVID-19 'Zachte Knip' will have until August 31, 2021 to complete their bachelor and/or bridging programme in order to continue with their master programme. If a student has not completed their bachelor and/or bridging programme, the student can no longer continue in the master programme until their prior education is formally completed. When the student re-starts the master programme, the obtained results for master courses will still be formally registered in their master examination programme.

MSc Cum laude regulation

In the *BSc and MSc rules and guidelines of the Board of Examiners* for 2020/2021 the cum laude regulation will be included for students that will receive the 'Zachte Knip'.

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|  John Schmitz Dean |  Geert-Jan Houben Director of Education |  Arnold Heemink Chair Board of Examiners |
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