

Study Programme

Academic year 2025-2026

Faculty of Sciences, Faculty of Psychology and Educational Sciences Master of Science in Teaching in Science and Technology -- Physics and Astronomy

Language of instruction: Dutch

Programme version 5

| 1 | Domain | Component | | | 54 credits | | | |
|--------|---|---|----------------------------|--------------------------|------------------|--|--|--|
| | For courses without indication of the standard learning path, the student can choose whether to take the course in the first or second year, depending on the rest of his/her curriculum. | | | | | | | |
| 1. | 1 Genera | al Courses | | | 24 credits | | | |
| | <mark>bscribe to 24</mark> Course | credit units from the following list. | CRDT Ref | MT1 Sessi | on Study | | | |
| 1 1 | C001747 | Quantum Field Theory [en, nl] Thomas Mertens Department of Physics and Astronomy | 6 | A:1 | 180 | | | |
| 2 | C002329 | Astrophysical Simulations Maarten Baes Department of Physics and Astronomy | 6 | A:1 | 180 | | | |
| 3 | C001827 | Computational Physics Toon Verstraelen Department of Physics and Astronomy | 6 | A:1 | 180 | | | |
| 4 | C001213 | Solid State and Nano Physics Christophe Detavernier Department of Solid State Sciences | 6 | A:1 | 180 | | | |
| 5 | C003119 | Subatomic Physics II Didar Dobur Department of Physics and Astronomy | 6 | A:1 | 180 | | | |
| 1. | 2 Electiv | e Courses | | | 30 credits | | | |
| | | credit units from no less than 1 and no more than 2 modules from the fo | llowing list. Subject to a | approval by the faculty. | | | | |
| 1.2 | 2.1 Electiv | ve Course List | | | | | | |
| | <mark>bscribe to nc</mark> Course | less than 18 credit units from the following list. | CRDT Ref | MT1 Sessi | on Studv | | | |
| 1 | | Physics and Chemistry of Nanostructures [en] Zeger Hens Department of Chemistry | 6 | B:2 | | | | |
| 2 | E006800 | Modelling and Engineering of Nanoscale Materials [en] Louis Vanduyfhuys Department of Applied Physics | 6 | A:1 | 180 | | | |
| 3 | C004106 | Complexity and Criticality [en] Jan Ryckebusch Department of Physics and Astronomy | 6 | A:2 | 180 | | | |
| 4 | C000819 | Quantum Electrodynamics Dimitri Van Neck Department of Physics and Astronomy | 6 | B:2 | ^a 180 | | | |
| 5 | C003122 | Nuclear Methods in Material Research [en] Stefaan Cottenier Department of Electromechanical, Systems and Metal Engineering | 6 | A:2 | 180 | | | |
| 6 | C001759 | Many-body Physics Dimitri Van Neck Department of Physics and Astronomy | 6 | A:2 | 180 | | | |
| 7 | C001678 | Structural Analysis Techniques in Solid State Physics Jolien Dendooven Department of Solid State Sciences | 6 | A:2 | 180 | | | |
| 8 | C003123 | Nuclear Instrumentation Luc Van Hoorebeke Department of Physics and Astronomy | 6 | | 180 | | | |
| 9 | C002676 | Continuum Mechanics Geert Verdoolaege Department of Applied Physics | 6 | | 180 | | | |
| 10 | E026221 | Plasma Physics [en] Geert Verdoolaege Department of Applied Physics | 6 | A:1 | 180 | | | |

| 1 | 1 E006900 | Plasma Technology and Fusion Technology [en] Rino Morent Department of Applied Physics | 6 | | A:1 | 180 |
|---|-----------|--|---|---|--------|------------------|
| 1 | 2 C000064 | Nuclear Astrophysics Natalie Jachowicz Department of Physics and Astronomy | 6 | | A:2 | 180 |
| 1 | 3 C003793 | Hadrons and Nuclei from a Theoretical Perspective [en] Jan Ryckebusch Department of Physics and Astronomy | 6 | | (A:2) | ^d 180 |
| 1 | 4 C004450 | Medical Radiation Physics and Dosimetry [en] Klaus Bacher Department of Human Structure and Repair | 6 | | A:2 | 180 |
| 1 | 5 C001427 | Introduction to the Dynamics of Atmospheres Piet Termonia Department of Physics and Astronomy | 6 | | A:1 | 180 |
| 1 | 6 C003127 | Capita Selecta Solid-state Physics Henk Vrielinck Department of Solid State Sciences | 6 | | | 180 |
| 1 | 7 C002349 | Astroparticle Physics [en] Archisman Ghosh Department of Physics and Astronomy | 6 | | A:2 | 180 |
| 1 | 8 C003128 | Optical Spectroscopy of Materials [en] Dirk Poelman Department of Solid State Sciences | 4 | | A:1 | 120 |
| 1 | 9 C003129 | Capita Selecta Particle Physics [en] Didar Dobur Department of Physics and Astronomy | 6 | | A:2 | 180 |
| 2 | 0 C003131 | Observational Techniques in Astronomy [en] Arjen van der Wel Department of Physics and Astronomy | 6 | | A:2 | 180 |
| 2 | 1 C002512 | Cosmology and Galaxy Formation Sven De Rijcke Department of Physics and Astronomy | 6 | | A:1 | 180 |
| 2 | 2 C003940 | History and Philosophy of Sciences: Physics and Astronomy Maarten Van Dyck Department of Philosophy and Moral Sciences | 6 | | A:2 | 180 |
| 2 | 3 C004105 | Nanomagnetism [en] Bartel Van Waeyenberge Department of Solid State Sciences | 6 | | A:1, B | :2 180 |
| 2 | 4 C003939 | Radiative Transfer Simulations in Astrophysics [en] Maarten Baes Department of Physics and Astronomy | 6 | | A:2ª | a 180 |
| 2 | 5 C003208 | Luminescence Jonas Joos Department of Solid State Sciences | 6 | | | 180 |
| 2 | 6 E024122 | Computational Materials Physics [en] Stefaan Cottenier Department of Electromechanical, Systems and Metal Engineering | 6 | | B:1 | 180 |
| 2 | 7 C003668 | Quantum Computing [en] Frank Verstraete Department of Physics and Astronomy | 6 | | A:2 | 180 |
| 2 | 8 C003690 | Quantum Black Holes and Holography [en, nl] Michal Heller Department of Physics and Astronomy | 6 | | A:2ª | a 180 |
| 2 | 9 C004071 | Strongly Correlated Quantum Systems [en] Jutho Haegeman Department of Physics and Astronomy | 6 | | (A:2) | ^d 180 |
| 3 | 0 C003758 | Machine Learning [en] Yvan Saeys Department of Mathematics, Computer Science and Statistics | 6 | | A:1 | 180 |
| 3 | 1 C004421 | Relativistic Hydrodynamics - from Quantum Field Theory to Black Holes [en] Michal Heller Department of Physics and Astronomy | 6 | | (A:1) | ^d 180 |
| 3 | 2 C004451 | General Relativity [en] Archisman Ghosh Department of Physics and Astronomy | 6 | | A:1 | 180 |
| 3 | 3 C003210 | Advanced Field Theory [en] Vrije Universiteit Brussel, Ben Craps | 6 | а | A:1 | 180 |
| 3 | 4 C003211 | Electroweak and Strong Force [en] Vrije Universiteit Brussel, Alexandre Sevrin | 6 | а | A:2 | 180 |
| 3 | 5 C003212 | Extensions of the Standard Model [en] Vrije Universiteit Brussel, Steven Lowette | 6 | а | A:1 | 180 |
| 3 | 6 C004453 | Modeling Complex Systems [en] Vrije Universiteit Brussel, Sophie De Buyl | 6 | а | A:2 | 180 |
| 3 | 7 C003214 | Experimental Techniques in Particle Physics [en] Vrije Universiteit Brussel, Steven Lowette | 6 | а | A:1 | 180 |
| 3 | 8 C003215 | Object Oriented Programming (C++) for Physicists [en] Vrije Universiteit Brussel, Olivier Devroede | 6 | а | A:2 | 180 |
| | | | | | | |

| 39 C003829 | Early Universe Cosmology [en] Vrije Universiteit Brussel, Ben Craps | 6 | а | | A:2 | 180 |
|---|---|--|---|----------------------|---|--|
| 40 C004452 | Evolution of Stars and Stellar Systems [en] Vrije Universiteit Brussel, Dany Vanbeveren | 6 | а | | A:2 | 180 |
| 41 C003219 | Simulation of Physics Phenomena and Detectors in Modern Physics Vrije Universiteit Brussel, Steven Lowette | 6 | а | | | 180 |
| 1.2.2 Electiv | ve Courses UGent and other Universities | | | | | |
| Ghent Universi | for a total amount of credit units not exceeding 12. These courses can be take ty elective courses, and/or from the study programmes of <u>Erasmus+ partner ur</u> n an internship in a research-related environment. | | | | | |
| 2 Teachir | ng Component | | | | 36 | credits |
| year, dependin | hout indication of the standard learning path, the student can choose whether g on the rest of his/her curriculum. Students must complete the corresponding n internship, or at least take the teaching methodology course simultaneously. | | | | | |
| 2.1 Progra | mme Pathway Theoretical Education | | | | 12 | credits |
| Nr Course | | CRDT | Ref | MT1 | Session | Study |
| 1 H002197 | The Teacher within School and Society Melissa Tuytens Department of Educational Studies | 4 | | | A:1 | 120 |
| 2 H002196 | Classroom Management and Reflection Tijs Rotsaert Department of Educational Studies | 4 | | | A:2 | 120 |
| 3 H002198 | Psychology of Adolescence Wim Beyers Department of Developmental, Personality and Social Psychology | 4 | | | A:1 | 120 |
| 2.2 Progra | mme Pathway Teaching Methodology | | | | 6 | credits |
| Nr Course | | CRDT | Ref | MT1 | Session | Study |
| 1 H002224 | Teaching Methodology Physics Stefaan Cottenier Department of Electromechanical, Systems and Metal Engineering | 6 | | | C:J | 180 |
| 2.3 Progra | mme Pathway Internship | | | | 12 | credits |
| | | | | | | |
| • 4 credit units | credit units from the following list, with from the courses with reference a, if no additional Teaching Methodology Courses with reference at the courses with reference at the courses with reference at the course of the courses with reference at the course of the courses with reference at the course of the course of the courses with reference at the course of the course of the course of the courses of the course of the course of the courses of the courses of the course of the course of the course of the courses of the course of | rse is tak | en in Mo | dule 2 of the | Elective | |
| 4 credit units Courses 4 credit units | | | | | | |
| 4 credit units Courses | from the courses with reference a, if no additional Teaching Methodology Cour from the courses with reference b, if an additional Teaching Methodology Cour | | en in Mo | dule 2 of the | | Study |
| 4 credit units Courses4 credit units Courses | from the courses with reference a, if no additional Teaching Methodology Cour from the courses with reference b, if an additional Teaching Methodology Cour | rse is tak | en in Mo | dule 2 of the | Elective | Study 100 |
| 4 credit units Courses 4 credit units Courses Nr Course 1 H002299 | from the courses with reference a, if no additional Teaching Methodology Cour from the courses with reference b, if an additional Teaching Methodology Cour Internship A: STEM | rse is tak CRDT | en in Mo | dule 2 of the | Elective Session | |
| 4 credit units Courses 4 credit units Courses Nr Course 1 H002299 | from the courses with reference a, if no additional Teaching Methodology Cour from the courses with reference b, if an additional Teaching Methodology Cour Internship A: STEM Katrien Strubbe Department of Chemistry Internship B: Physics Philippe Smet Department of Solid State Sciences | rse is tak CRDT 4 | en in Mo | dule 2 of the | Elective Session A:J | 100 |
| 4 credit units Courses 4 credit units Courses Nr Course 1 H002299 2 H002316 3 H002335 | from the courses with reference a, if no additional Teaching Methodology Cour from the courses with reference b, if an additional Teaching Methodology Cour Internship A: STEM Katrien Strubbe Department of Chemistry Internship B: Physics Philippe Smet Department of Solid State Sciences Internship C: Physics | rse is tak CRDT 4 4 | en in Mo Ref | dule 2 of the | Elective Session A:J A:J | 100 100 |
| 4 credit units Courses 4 credit units Courses Nr Course 1 H002299 2 H002316 3 H002335 | from the courses with reference a, if no additional Teaching Methodology Cour from the courses with reference b, if an additional Teaching Methodology Cour Internship A: STEM Katrien Strubbe Department of Chemistry Internship B: Physics Philippe Smet Department of Solid State Sciences Internship C: Physics Philippe Smet Department of Solid State Sciences Internship C: Mathematics Hendrik Van Maldeghem Department of Mathematics, Computer Science and Statistics | rse is tak CRDT 4 4 4 | en in Mo Ref a | dule 2 of the | Elective Session A:J A:J A:J A:J | 100 100 100 |
| 4 credit units Courses 4 credit units Courses Nr Course 1 H002299 2 H002316 3 H002335 4 H002336 2.4 Electiv | from the courses with reference a, if no additional Teaching Methodology Cour from the courses with reference b, if an additional Teaching Methodology Cour Internship A: STEM Katrien Strubbe Department of Chemistry Internship B: Physics Philippe Smet Department of Solid State Sciences Internship C: Physics Philippe Smet Department of Solid State Sciences Internship C: Mathematics Hendrik Van Maldeghem Department of Mathematics, Computer Science and Statistics | rse is tak 4 4 4 4 | en in Mo Ref a b | dule 2 of the | Elective Session A:J A:J A:J A:J | 100 100 100 100 |
| 4 credit units Courses 4 credit units Courses Nr Course 1 H002299 2 H002316 3 H002335 4 H002336 2.4 Electiv Subscribe to 6 | from the courses with reference a, if no additional Teaching Methodology Cour from the courses with reference b, if an additional Teaching Methodology Cour Internship A: STEM Katrien Strubbe Department of Chemistry Internship B: Physics Philippe Smet Department of Solid State Sciences Internship C: Physics Philippe Smet Department of Solid State Sciences Internship C: Mathematics Hendrik Van Maldeghem Department of Mathematics, Computer Science and Statistics e Courses | rse is tak 4 4 4 4 | en in Mo Ref a b | dule 2 of the | Elective Session A:J A:J A:J A:J | 100 100 100 100 |
| 4 credit units Courses 4 credit units Courses Nr Course 1 H002299 2 H002316 3 H002335 4 H002336 2.4 Electiv Subscribe to 6 2.4.1 Modu The courses with | from the courses with reference a, if no additional Teaching Methodology Cour from the courses with reference b, if an additional Teaching Methodology Cour Internship A: STEM Katrien Strubbe Department of Chemistry Internship B: Physics Philippe Smet Department of Solid State Sciences Internship C: Physics Philippe Smet Department of Solid State Sciences Internship C: Mathematics Hendrik Van Maldeghem Department of Mathematics, Computer Science and Statistics e Courses credit units from one or different modules from the following list. Subject to app | rse is tak CRDT 4 4 4 4 4 7 voval by sed. | en in Mo Ref a b | dule 2 of the MT1 | Elective Session A:J A:J A:J A:J 6 | 100 100 100 100 credits |
| 4 credit units Courses 4 credit units Courses Nr Course 1 H002299 2 H002316 3 H002335 4 H002336 2.4 Electiv Subscribe to 6 2.4.1 Modu | from the courses with reference a, if no additional Teaching Methodology Cour from the courses with reference b, if an additional Teaching Methodology Cour Internship A: STEM Katrien Strubbe Department of Chemistry Internship B: Physics Philippe Smet Department of Solid State Sciences Internship C: Physics Philippe Smet Department of Solid State Sciences Internship C: Mathematics Hendrik Van Maldeghem Department of Mathematics, Computer Science and Statistics e Courses credit units from one or different modules from the following list. Subject to app le 1: List of Elective Courses | rse is tak CRDT 4 4 4 4 4 7 voval by 1 | en in Mo Ref a b | dule 2 of the | Elective Session A:J A:J A:J A:J | 100 100 100 100 |
| 4 credit units Courses 4 credit units Courses 1 H002299 2 H002316 3 H002335 4 H002336 2.4 Electiv Subscribe to 6 2.4.1 Modu The courses with Courses 1 H001608 | from the courses with reference a, if no additional Teaching Methodology Cour from the courses with reference b, if an additional Teaching Methodology Cour Internship A: STEM Katrien Strubbe Department of Chemistry Internship B: Physics Philippe Smet Department of Solid State Sciences Internship C: Physics Philippe Smet Department of Solid State Sciences Internship C: Mathematics Hendrik Van Maldeghem Department of Mathematics, Computer Science and Statistics e Courses credit units from one or different modules from the following list. Subject to app le 1: List of Elective Courses th reference b can only be chosen if the course with reference a has been pass Movement and Sports: Now and Later | rse is tak CRDT 4 4 4 4 4 4 roval by sed. CRDT | en in Mo Ref a b the facult | dule 2 of the MT1 | Elective Session A:J A:J A:J 6 Session | 100 100 100 100 credits |
| 4 credit units Courses 4 credit units Courses Nr Course H002299 H002316 H002335 H002336 H002336 H002336 Electiv Subscribe to 6 A.1 Modu The courses with recourses with recourses H001608 H001838 | from the courses with reference a, if no additional Teaching Methodology Cour from the courses with reference b, if an additional Teaching Methodology Cour Internship A: STEM Katrien Strubbe Department of Chemistry Internship B: Physics Philippe Smet Department of Solid State Sciences Internship C: Physics Philippe Smet Department of Solid State Sciences Internship C: Mathematics Hendrik Van Maldeghem Department of Mathematics, Computer Science and Statistics e Courses credit units from one or different modules from the following list. Subject to app le 1: List of Elective Courses th reference b can only be chosen if the course with reference a has been pass Movement and Sports: Now and Later Veerle Segers Department of Movement and Sports Sciences Culture, Media and Education Kris Rutten Department of Educational Studies Methods to Facilitate Socratic Group Discussions in the Educational Context | rse is tak CRDT 4 4 4 4 4 4 4 5 5 6 CRDT 4 | en in Mo Ref a b the facult | dule 2 of the MT1 | Elective Session A:J A:J A:J A:J 6 Session A:2 | 100 100 100 credits Study 120 |
| 4 credit units Courses 4 credit units Courses 1 H002299 2 H002316 3 H002335 4 H002336 2.4 Electiv Subscribe to 6 2.4.1 Modu The courses wi Nr Course 1 H001608 2 H001838 3 H002128 | from the courses with reference a, if no additional Teaching Methodology Cour from the courses with reference b, if an additional Teaching Methodology Cour Internship A: STEM Katrien Strubbe Department of Chemistry Internship B: Physics Philippe Smet Department of Solid State Sciences Internship C: Physics Philippe Smet Department of Solid State Sciences Internship C: Mathematics Hendrik Van Maldeghem Department of Mathematics, Computer Science and Statistics e Courses credit units from one or different modules from the following list. Subject to app le 1: List of Elective Courses th reference b can only be chosen if the course with reference a has been pass Movement and Sports: Now and Later Veerle Segers Department of Movement and Sports Sciences Culture, Media and Education Kris Rutten Department of Educational Studies Methods to Facilitate Socratic Group Discussions in the Educational Context Veerle Provost Department of Philosophy and Moral Sciences Motivational Psychology | rse is tak CRDT 4 4 4 4 4 4 roval by sed. CRDT 4 4 | en in Mo Ref a b the facult | dule 2 of the MT1 | Elective Session A:J A:J A:J A:J 6 Session A:2 A:2 | 100 100 100 100 credits Study 120 120 |
| 4 credit units Courses 4 credit units Courses 1 H002299 2 H002316 3 H002335 4 H002336 2.4 Electiv Subscribe to 6 2.4.1 Modu The courses wi Nr Course 1 H001608 2 H001838 3 H002128 | from the courses with reference a, if no additional Teaching Methodology Cour from the courses with reference b, if an additional Teaching Methodology Cour Internship A: STEM Katrien Strubbe Department of Chemistry Internship B: Physics Philippe Smet Department of Solid State Sciences Internship C: Physics Philippe Smet Department of Solid State Sciences Internship C: Mathematics Hendrik Van Maldeghem Department of Mathematics, Computer Science and Statistics e Courses credit units from one or different modules from the following list. Subject to app le 1: List of Elective Courses th reference b can only be chosen if the course with reference a has been pass Movement and Sports: Now and Later Veerle Segers Department of Educational Kris Rutten Department of Educational Studies Methods to Facilitate Socratic Group Discussions in the Educational Context Veerle Provost Department of Philosophy and Moral Sciences Motivational Psychology Sofie Morbée Department of Developmental, Personality and Social Psychology | rse is tak CRDT 4 4 4 4 4 4 4 roval by sed. CRDT 4 4 4 4 4 | en in Mo Ref a b the facult | dule 2 of the MT1 | Elective Session A:J A:2 A:2 A:2 | 100 100 100 0 0 0 0 0 100 120 120 120 |

| | Bart Deygers Department of Translation, Interpreting and Communication | | | | | |
|------------|--|---|---|---|-----|-----|
| 6 H002247 | Linguistic Proficiency in Content and Language Integrated Learning: English [en] June Eyckmans Department of Translation, Interpreting and Communication | 3 | b | 2 | A:2 | 90 |
| 7 H002248 | Linguistic Proficiency in Content and Language Integrated Learning: French [fr] Pascale Hadermann Department of Linguistics | 3 | b | 2 | A:2 | 90 |
| 8 H002249 | Linguistic Proficiency in Content and Language Integrated Learning: German [de] Gunther Martens Department of Literary Studies | 3 | b | 2 | A:2 | 90 |
| 9 H002246 | Theory and Practice of Content and Language Integrated Learning Ulrike Vogl Department of Linguistics | 3 | а | 1 | A:1 | 90 |
| 10 H002283 | Teaching Methodology: General Subjects for Technical and Vocational Education, including Internship | 6 | | | A:2 | 160 |

2.4.2 Module 2: Additional Course Teaching Methodology

Taking an additional Teaching Methodology Course implies taking the corresponding Internship in the Programme Pathway Internship. Students who are able to demonstrate that they have acquired at least 30 academic credits in another specific domain (60 credits if it concerns a language), can submit a request to the Curriculum Manager for the Master of Education to take the corresponding teaching methodology course. If the Curriculum Manager agrees, the Programme Pathway Internship needs to be revised allowing a student to follow an "Internship C" in this additional teaching methodology.

| N | Course | | CRD1 F | Ret MII | Session | Study |
|---|---------|--|--------|---------|---------|-------|
| 1 | H002226 | Teaching Methodology: Mathematics I | 6 | | A:J | 180 |
| | | Hendrik Van Maldeghem Department of Mathematics, Computer Science and Statistics | | | | |

2.4.3 Module 3: Additional Internship

| Nr | Course | | CRDT | Ref | MT1 | Session | Study |
|----|---------|--|------|-----|-----|---------|-------|
| 1 | H002332 | Short Additional Internship Katrien Strubbe Department of Chemistry | 3 | | | A:J | 80 |
| 2 | H002333 | Extended Additonal Internship Katrien Strubbe Department of Chemistry | 6 | | | A:J | 160 |

2.4.4 Module 4: an Elective Course related to Education

Subscribe to a course of no less than 6 credit units, related to education, and lectured at a university belonging to the Flemish Community (see also: Enlight Elective Courses), subject to approval by the faculty.

| 3 Master's Dissertation | | | 30 | credits |
|--|----------|-----|---------|---------|
| Nr Course | CRDT Ref | MT1 | Session | Study |
| 1 C004107 Master's Dissertation | 30 | 2 | A:J | 900 |
| Philippe Smet Department of Solid State Sciences | | | | |

Teaching

When a course is not taught (solely) in the programme's language of instruction, the effectively used languages are indicated in square brackets following the cours name, using the following ISO codes:

| bg: Bulgarian | | es: Spanish | ja: Japanese | pl: Polish | sh: Kroatian/Serbian | zh: Chinese |
|---------------|-------------|-------------|---------------|----------------|----------------------|-------------|
| cs: Czech | el: Greek | fr: French | nl: Dutch | pt: Portuguese | sl: Slovene | |
| da: Danish | en: English | it: Italian | no: Norwegian | ru: Russian | sv: Swedish | |

Semester

Semesters are indicated by their number (1 or 2); semester 3 represents the summer period and J indicates a course spanning semesters 1 and 2. When a capital letter precedes a semester number, the course has multiple offerings. The letter indicates the offering concerned. When a semester is shown in brackets, the course in not offered this year in the specific offering. The offering frequency and first year of offering are indicated by the following codes:

| a: bi-annually | c: annually, from 2026-2027 | f: annually, from 2027-2028 | i: annually, from 2028-2029 |
|-----------------|---------------------------------|---------------------------------|---------------------------------|
| b: tri-annually | d: bi-annually, from 2026-2027 | g: bi-annually, from 2027-2028 | j: bi-annually, from 2028-2029 |
| | e: tri-annually, from 2026-2027 | h: tri-annually, from 2027-2028 | k: tri-annually, from 2028-2029 |