

Faculty of Psychology and Educational Sciences, Faculty of Sciences

Master of Science in Teaching in Science and Technology (abridged programme) -- Biology

Language of instruction: Dutch

Programme version 6

1 Teaching Component 60 credits

1.1 Programme Pathway Theoretical Education 18 credits

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|---|------|-----|-----|---------------|-------|
| 1 | H002169 Powerful Learning Environments Bram De Wever -- Department of Educational Studies | 6 | | 1 | A:1, K:1, B:1 | 180 |
| 2 | H002197 The Teacher within School and Society Melissa Tuytens -- Department of Educational Studies | 4 | | 1 | A:1, B:1, K:1 | 120 |
| 3 | H002198 Psychology of Adolescence Wim Beyers -- Department of Developmental, Personality and Social Psychology | 4 | | 1 | A:1, K:1, B:1 | 120 |
| 4 | H002196 Classroom Management and Reflection Melissa Tuytens -- Department of Educational Studies | 4 | | 1 | A:2, B:2, K:2 | 120 |

1.2 Programme Pathway Teaching Methodology 12 credits

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|--|------|-----|-----|---------|-------|
| 1 | H002175 Teaching Methodology: Sciences Katrien Strubbe -- Department of Chemistry | 6 | | 1 | A:J | 180 |
| 2 | H002220 Teaching Methodology: Biology Dominique Adriaens -- Department of Biology | 6 | | 1 | A:J | 180 |

1.3 Programme Pathway Internship 15 credits

Subscribe to 15 credit units from the following list, with

- 4 credit units from the courses with reference b, if no additional Teaching Methodology Course is taken in Module 2 of the Elective Courses
- 4 credit units from the courses with reference c, if an additional Teaching Methodology Course is taken in Module 2 of the Elective Courses

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|--|------|-----|-----|---------|-------|
| 1 | H002170 Reference Internship: Sciences Katrien Strubbe -- Department of Chemistry | 3 | | 1 | A:J | 90 |
| 2 | H002299 Internship A: STEM Katrien Strubbe -- Department of Chemistry | 4 | | 1 | A:J | 100 |
| 3 | H002315 Internship B: Biology Dominique Adriaens -- Department of Biology | 4 | | 1 | A:J | 100 |
| 4 | H002331 Internship C: Biology Dominique Adriaens -- Department of Biology | 4 | b | 1 | A:J | 100 |
| 5 | H002330 Internship C: Chemistry Katrien Strubbe -- Department of Chemistry | 4 | c | 1 | A:J | 100 |

1.4 Programme Pathway Practice Oriented Educational Research Project 9 credits

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|--|------|-----|-----|---------|-------|
| 1 | H002464 Practice Oriented Educational Research Project | 9 | | 1 | J:J | 250 |

1.5 Elective Courses 6 credits

Subscribe to 6 credit units from one or different modules from the following list. Subject to approval by the faculty.

1.5.1 Module 1: List of Elective Courses

The courses with reference b can only be chosen if the course with reference a has been passed.

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|--------|------|-----|-----|---------|-------|
|----|--------|------|-----|-----|---------|-------|

| | | | | | | | |
|----|---------|--|---|-----|---|-----|-----|
| 1 | H001608 | Movement and Sports: Now and Later Veerle Segers -- Department of Movement and Sports Sciences | 4 | | 1 | A:2 | 120 |
| 2 | H001977 | Coaching and Diversity Elisabeth De Schauwer -- Department of Special Education | 3 | UKV | 1 | A:J | 90 |
| 3 | A005503 | Context and Nuance. A Critical Reflection on Current Topics Stef Craps -- Department of Literary Studies | 6 | UKV | 1 | A:1 | 180 |
| 4 | H001838 | Culture, Media and Education Kris Rutten -- Department of Educational Studies | 4 | | 1 | A:2 | 120 |
| 5 | H002150 | Digital Learning Environments Tammy Schellens -- Department of Educational Studies | 3 | | 1 | A:1 | 90 |
| 6 | C004225 | Physics for Citizens Steven Caluwaerts -- Department of Physics and Astronomy | 4 | UKV | 1 | A:1 | 120 |
| 7 | D012276 | Introduction to Flemish Sign Language Beatrijs Wille -- Department of Linguistics | 4 | | 1 | A:1 | 120 |
| 8 | H000358 | Learning Psychology Yannick Boddez -- Department of Experimental Clinical and Health Psychology | 5 | | 1 | A:2 | 150 |
| 9 | H000124 | Learning Disabilities Petra Warreyn -- Department of Experimental Clinical and Health Psychology | 5 | | 1 | A:2 | 150 |
| 10 | H002128 | Methods to Facilitate Socratic Group Discussions in the Educational Context Veerle Provoost -- Department of Philosophy and Moral Sciences | 4 | | 1 | A:2 | 120 |
| 11 | H002213 | Motivational Psychology Maarten Vansteenkiste -- Department of Developmental, Personality and Social Psychology | 5 | | 1 | A:1 | 150 |
| 12 | K000245 | Sociology of Education Mieke Van Houtte -- Department of Sociology | 5 | | 1 | A:2 | 150 |
| 13 | E099210 | Essentials of Artificial Intelligence: a Beginner's Guide [en] Joni Dambre -- Department of Electronics and Information Systems | 3 | UKV | 1 | A:1 | 90 |
| 14 | H002246 | Theory and Practice of Content and Language Integrated Learning Ulrike Vogl -- Department of Linguistics | 3 | a | 1 | A:1 | 90 |
| 15 | H002344 | Linguistic Proficiency in Content and Language Integrated Learning: Dutch Bart Deygers -- Department of Translation, Interpreting and Communication | 3 | b | 1 | A:2 | 90 |
| 16 | H002247 | Linguistic Proficiency in Content and Language Integrated Learning: English [en] June Eyckmans -- Department of Translation, Interpreting and Communication | 3 | b | 1 | A:2 | 90 |
| 17 | H002248 | Linguistic Proficiency in Content and Language Integrated Learning: French [fr] Pascale Hadermann -- Department of Linguistics | 3 | b | 1 | A:2 | 90 |
| 18 | H002249 | Linguistic Proficiency in Content and Language Integrated Learning: German [de] Gunther Martens -- Department of Literary Studies | 3 | b | 1 | A:2 | 90 |
| 19 | H002283 | Teaching Methodology: General Subjects for Technical and Vocational Education, including Internship Katrien Strubbe -- Department of Chemistry | 6 | | 1 | A:2 | 160 |

1.5.2 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.

| Nr | Course | CRDT | Ref | MT1 | Session | Study |
|----|---|------|-----|-----|---------|-------|
| 1 | H002219 Teaching Methodology: Chemistry Katrien Strubbe -- Department of Chemistry | 6 | | 1 | A:J | 180 |

1.5.3 Module 3: Additional Internship

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

1.5.4 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.

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 course name, using the following ISO codes:

| | | | | | | |
|---------------|-------------|-------------|---------------|----------------|----------------------|-------------|
| bg: Bulgarian | de: German | es: Spanish | ja: Japanese | pl: Polish | sh: Croatian/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 is 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 2025-2026 | f: annually, from 2026-2027 | i: annually, from 2027-2028 |
| b: tri-annually | d: bi-annually, from 2025-2026 | g: bi-annually, from 2026-2027 | j: bi-annually, from 2027-2028 |
| | e: tri-annually, from 2025-2026 | h: tri-annually, from 2026-2027 | k: tri-annually, from 2027-2028 |