

## **Secondary School Teacher Programme with a specialization in Teaching in the Upper-Secondary School**

Ämneslärarprogrammet med inriktning mot arbete i  
gymnasieskolan  
330 credits

L1AGY

Valid from: 2022 Autumn semester

**Determined by**

The Board of Educational Science

**Date determined**

2020-06-04

**Revised by**

Course Syllabus Board at the Faculty of Educational Sciences

**Revision date**

2021-02-08; 2021-05-25; 2022-03-08

**Registration number**

LiU-2022-00831; LIU-2020-02080; LiU-2021-00869; LiU-2021-01088

**Offered first time**

Autumn semester 2016

**Offered for the last time**

**Replaced by**

## Entry requirements

### Degree in Swedish

Ämneslärarexamen med inriktning mot arbete i gymnasieskolan

### Degree in English

Degree of Master of Arts in Upper Secondary Education

Degree of Master of Science in Upper Secondary Education

## Curriculum

### Semester 1 (Autumn 2022)

*Specialisation: Subject: Biology*

| Course code | Course name  | Credits | Level | Weeks          | Timetable module | ECV |
|-------------|--|---------|-------|----------------|------------------|-----|
| 975G01      | Educational Sciences 1, Didactics                                      | 5       | G1X   | v202234-202236 | -                | C   |
| 975G07      | Educational Sciences 2, Development and Learning                       | 8.5     | G1X   | v202237-202243 | -                | C   |
| 975GV7      | Educational Sciences, Teaching Practice                                | 1.5     | G1X   | v202237-202243 | -                | C   |
| 975G03      | Educational Sciences 3, Knowledge Assessment                           | 7.5     | G1X   | v202244-202248 | -                | C   |
| 975G04      | Educational Sciences 4, History of Education, Societal role and values | 7.5     | G1X   | v202249-202303 | -                | C   |

### Semester 2 (Spring 2023)

*Specialisation: Subject: Biology*

| Course code | Course name        | Credits | Level | Weeks          | Timetable module | ECV |
|-------------|--------------------|---------|-------|----------------|------------------|-----|
| 91BI11      | Biology (1-15 cr)  | 15      | G1X   | v202303-202312 | -                | C   |
| 91BI21      | Biology (16-30 cr) | 15      | G1X   | v202313-202322 | -                | C   |

### Semester 3 (Autumn 2023)

*Specialisation: Subject: Biology*

| Course code | Course name                                   | Credits | Level | Weeks          | Timetable module | ECV |
|-------------|---|---------|-------|----------------|------------------|-----|
| 92MA12      | Mathematics: Geometry                         | 5       | G1X   | v202334-202337 | -                | E   |
| 92BI32      | Biology (31-37,5 cr)                          | 7.5     | G1X   | v202334-202343 | -                | E   |
| 92KE11      | Chemistry (1-15 cr)                           | 15      | G1X   | v202334-202343 | -                | E   |
| 92NK11      | Natural Science (1-15 cr)                     | 15      | G1X   | v202334-202343 | -                | E   |
| 92SA11      | Swedish as a second language (1-15 cr)        | 15      | G1X   | v202334-202343 | -                | E   |
| 92MA16      | Mathematics: Mathematics Education 1          | 5.5     | G1X   | v202334-202403 | -                | E   |
| 92BI31      | Biology (38-45 cr)                            | 7.5     | G1X   | v202335-202343 | -                | E   |
| 92MA13      | Mathematics: Foundation Course in Mathematics | 6       | G1X   | v202337-202343 | -                | E   |
| 92MAV1      | Mathematics: Teaching practice (17-18 cr)     | 1.5     | G1X   | v202337-202343 | -                | E   |
| 92BI41      | Biology (46-60 cr)                            | 15      | G1X   | v202344-202402 | -                | E   |
| 92KE21      | Chemistry (16-30 cr)                          | 15      | G1X   | v202344-202402 | -                | E   |
| 92MA14      | Mathematics: One Variable Calculus 1          | 6       | G1X   | v202344-202402 | 2                | E   |
| 92MA15      | Mathematics: Linear Algebra                   | 6       | G1X   | v202344-202402 | -                | E   |
| 92NK21      | Natural Science (16-30 cr)                    | 15      | G1X   | v202344-202403 | -                | E   |
| 92SA21      | Swedish as a second language (16-30 cr)       | 15      | G1X   | v202344-202403 | -                | E   |

## Semester 4 (Spring 2024)

*Specialisation: Subject: Biology*

| Course code | Course name   | Credits | Level | Weeks          | Timetable module | ECV |
|-------------|---|---------|-------|----------------|------------------|-----|
| 9GMA04      | Mathematics, Calculus in One Variable 2                                 | 6       | GXX   | v202403-202412 | 1                | E   |
| 9GMA05      | Mathematics: Statistics   | 5       | GXX   | v202403-202412 | -                | E   |
| 92KE33      | Chemistry (31-45 cr)  | 15      | GXX   | v202403-202422 | -                | E   |
| 92MA32      | Mathematics: Programming with a Mathematical and Didactical Perspective | 6       | GXX   | v202403-202422 | -                | E   |
| 92NK31      | Natural Science (31-41,5 cr)  | 11.5    | GXX   | v202404-202410 | -                | E   |
| 92EN13      | English 1-30 credits  | 30      | GXX   | v202404-202423 | -                | E   |
| 92MA33      | Mathematics Mathematics Education 2                                     | 5       | GXX   | v202404-202423 | -                | E   |
| 92SA33      | Swedish as a second language 31-52,5 cr                                 | 22.5    | GXX   | v202404-202423 | -                | E   |
| 92SV13      | Swedish (1-30 cr)   | 30      | GXX   | v202404-202423 | -                | E   |
| 92NKV3      | Natural Science; Teaching Practice (42-49 cr)                           | 7.5     | GXX   | v202411-202416 | -                | E   |
| 92KEV3      | Chemistry: Teaching Practice (46-52,5 cr)                               | 7.5     | GXX   | v202412-202417 | -                | E   |
| 92KE41      | Chemistry (53-60 cr)  | 7.5     | GXX   | v202413-202422 | -                | E   |
| 9GMA08      | Mathematics: Calculus in Several Variables                              | 8       | GXX   | v202413-202422 | 2                | E   |
| 92SAV3      | Swedish as a Second Language: Teaching Practice (46-52,5 cr)            | 7.5     | GXX   | v202414-202423 | -                | E   |
| 92NK41      | Natural Science (50-60 cr)  | 11      | GXX   | v202415-202423 | -                | E   |

## Semester 5 (Autumn 2024)

### *Specialisation: Subject: Biology*

| Course code | Course name                              | Credits | Level | Weeks          | Timetable module | ECV |
|-------------|--|---------|-------|----------------|------------------|-----|
| 93BI32      | Biology (31-37,5 cr)                     | 7.5     | GXX   | v202434-202443 | -                | E   |
| 93EN33      | English 31-52.5 credits                  | 22.5    | G2X   | v202434-202503 | -                | E   |
| 93SV33      | Swedish (31-52,5 ECTS)                   | 22.5    | GXX   | v202434-202503 | -                | E   |
| 93BI31      | Biology (38-45 cr)                       | 7.5     | GXX   | v202435-202443 | -                | E   |
| 93ENV2      | Teaching Practice in English 7.5 credits | 7.5     | GXX   | v202440-202445 | -                | E   |
| 93BI41      | Biology (46-60 cr)                       | 15      | GXX   | v202444-202503 | -                | E   |
| 93SVV3      | Swedish: Teaching Practice (53-60 cr)    | 7.5     | GXX   | v202445-202449 | -                | E   |

## Semester 6 (Spring 2025)

### *Specialisation: Subject: Biology*

| Course code | Course name  | Credits | Level | Weeks          | Timetable module | ECV |
|-------------|--|---------|-------|----------------|------------------|-----|
| 93BI52      | Biology (61-67,5 cr)   | 7.5     | GXX   | v202503-202507 | -                | E   |
| 93MA52      | Mathematics: Mathematics Education 3   | 8       | GXX   | v202504-202509 | -                | E   |
| 93EN53      | English (61-90 cr)   | 30      | GXX   | v202504-202523 | -                | E   |
| 93MA53      | Mathematics: Introduction to Operations Research                                 | 4       | GXX   | v202504-202523 | -                | E   |
| 93MA55      | Mathematics: Calculus, theoretical foundation for secondary mathematics teaching | 4       | GXX   | v202504-202523 | -                | E   |
| 93SV51      | Swedish (61-90 cr)   | 30      | GXX   | v202504-202523 | -                | E   |
| 93MAV3      | Mathematics: Teaching Practice (69-74 cr)  | 6       | GXX   | v202506-202510 | -                | E   |
| 93BIV3      | Biology: Teaching Practice (68-75 cr)  | 7.5     | GXX   | v202507-202512 | -                | E   |
| 93BI61      | Biology (76-90 cr)   | 15      | GXX   | v202513-202522 | -                | E   |
| 9GMA10      | Mathematics (76-83 cr)   | 8       | GXX   | v202513-202522 | -                | E   |



## Semester 7 (Autumn 2025)

*Specialisation: Subject: Biology*

| Course code | Course name   | Credits | Level | Weeks          | Timetable module | ECV |
|-------------|---|---------|-------|----------------|------------------|-----|
| 93UK51      | Educational Sciences 5, Social Relations and Teachers' Leadership | 7.5     | GXX   | v202534-202538 | -                | E   |
| 93NK51      | Natural Science (61-75 cr)  | 15      | GXX   | v202534-202543 | -                | E   |
| 93SA53      | Swedish as a second language (61-90 cr)                           | 30      | GXX   | v202534-202603 | -                | E   |
| 975A11      | Theory and Method in Scientific Work: Qualitative analysis        | 7.5     | A1N   | v202534-202603 | -                | E   |
| 93KE51      | Chemistry (61-75 cr)  | 15      | GXX   | v202535-202543 | -                | E   |
| 93UK82      | Educational Sciences, Theory of Science and Research Methods      | 7.5     | GXX   | v202539-202543 | -                | E   |
| 93KE61      | Chemistry (76-90 cr)  | 15      | GXX   | v202544-202603 | -                | E   |
| 93NK61      | Natural Science (76-90 cr)  | 15      | GXX   | v202544-202603 | -                | E   |
| 93XBI1      | Thesis, Biology 1   | 15      | GXX   | v202544-202603 | -                | E   |
| 93XEN1      | Thesis, English 1   | 15      | GXX   | v202544-202603 | -                | E   |
| 93XMA1      | Thesis, Mathematics 1   | 15      | GXX   | v202544-202603 | -                | E   |
| 93XSV1      | Thesis, Swedish 1   | 15      | GXX   | v202544-202603 | -                | E   |

## Semester 8 (Spring 2026)

*Specialisation: Subject: Biology*

| Course code | Course name  | Credits | Level | Weeks          | Timetable module | ECV |
|-------------|--|---------|-------|----------------|------------------|-----|
| 93BI52      | Biology (61-67,5 cr)   | 7.5     | GXX   | v202603-202607 | -                | E   |
| 93UK51      | Educational Sciences 5, Social Relations and Teachers' Leadership                | 7.5     | GXX   | v202604-202608 | -                | E   |
| 93MA52      | Mathematics: Mathematics Education 3   | 8       | GXX   | v202604-202609 | -                | E   |
| 93EN53      | English (61-90 cr)   | 30      | GXX   | v202604-202623 | -                | E   |
| 93MA53      | Mathematics: Introduction to Operations Research                                 | 4       | GXX   | v202604-202623 | -                | E   |
| 93MA55      | Mathematics: Calculus, theoretical foundation for secondary mathematics teaching | 4       | GXX   | v202604-202623 | -                | E   |
| 975A12      | Theory and Method in Scientific Work: Statistics for teachers                    | 7.5     | AXX   | v202604-202623 | -                | E   |
| 93MAV3      | Mathematics: Teaching Practice (69-74 cr)  | 6       | GXX   | v202606-202610 | -                | E   |
| 93BIV3      | Biology: Teaching Practice (68-75 cr)  | 7.5     | GXX   | v202607-202612 | -                | E   |
| 93UK82      | Educational Sciences, Theory of Science and Research Methods                     | 7.5     | GXX   | v202609-202613 | -                | E   |
| 93BI61      | Biology (76-90 cr)   | 15      | GXX   | v202613-202622 | -                | E   |
| 9GMA10      | Mathematics (76-83 cr)   | 8       | GXX   | v202613-202622 | -                | E   |
| 93XBI1      | Thesis, Biology 1  | 15      | GXX   | v202614-202623 | -                | E   |
| 93XKE1      | Thesis, Chemistry 1  | 15      | GXX   | v202614-202623 | -                | E   |
| 93XNK1      | Thesis, Natural Science 1  | 15      | GXX   | v202614-202623 | -                | E   |
| 93XSA1      | Thesis, Swedish as a second language 1   | 15      | GXX   | v202614-202623 | -                | E   |

## Semester 9 (Autumn 2026)

### *Specialisation: Subject: Biology — Preliminary courses*

| Course code | Course name   | Credits | Level | Weeks | Timetable module | ECV |
|-------------|---|---------|-------|-------|------------------|-----|
| 975A13      | Didactics and Teaching Development  | 15*     | AXX   |       | -                | E   |
| 975AX1      | Master's thesis in pedagogic practices specializing in subject-specific education | 30*     | A1N   |       | -                | E   |
| 9ABI73      | Biology (91-105)  | 15      | AXX   |       | -                | C   |
| 9AUK62      | Educational Sciences, Special Needs Education                                     | 7.5     | AXX   |       | -                | E   |
| 9AUK71      | Educational Sciences 7, School Development and Evaluation                         | 9*      | AXX   |       | -                | E   |

## Semester 10 (Spring 2027)

### *Specialisation: Subject: Biology — Preliminary courses*

| Course code | Course name   | Credits | Level | Weeks | Timetable module | ECV |
|-------------|---|---------|-------|-------|------------------|-----|
| 975A13      | Didactics and Teaching Development  | 15*     | AXX   |       | -                | E   |
| 975AX1      | Master's thesis in pedagogic practices specializing in subject-specific education | 30*     | A1N   |       | -                | E   |
| 9AUK71      | Educational Sciences 7, School Development and Evaluation                         | 9*      | AXX   |       | -                | E   |
| 9AVFU3      | Teaching Practice   | 13.5    | AXX   |       | -                | C   |
| 9AXB11      | Thesis in Biology 2   | 15      | AXX   |       | -                | E   |
| 9AXEN1      | Thesis in English 2   | 15      | AXX   |       | -                | E   |
| 9AXKE1      | Thesis in Chemistry 12  | 15      | AXX   |       | -                | E   |
| 9AXMA1      | Thesis in Mathematics 2   | 15      | AXX   |       | -                | E   |
| 9AXNK1      | Thesis in Natural Science 2   | 15      | AXX   |       | -                | E   |
| 9AXSA1      | Thesis in Swedish as a Second Language 2  | 15      | AXX   |       | -                | E   |
| 9AXSV1      | Thesis in Swedish 2   | 15      | AXX   |       | -                | E   |

ECV = Elective / Compulsory / Voluntary

\*Kursen läses över flera terminer