

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: 2024 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; 2023-09-07; 2023-12-19

Registration number

LiU-2023-00186; LiU-2023-03333; 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

Vid utökad studiegång: Filosofie masterexamen i pedagogiskt arbete med
ämnesdidaktisk inriktning

Degree in English

Master of Arts in Upper Secondary Education

Master of Science in Upper Secondary Education

Master of Arts in Pedagogic Practices Specializing in Subject-Specific Education

Curriculum

Semester 1 (Autumn 2026)

Specialisation: Subject: Mathematics

| Course code | Course name | Credits | Level | Weeks | Timetable module | ECV |
|-------------|--|---------|-------|----------------|------------------|-----|
| 975G01 | Educational Sciences 1, Didactics | 5 | GXX | v202634-202637 | - | C |
| 975G07 | Educational Sciences 2, Development and Learning | 8.5 | GXX | v202637-202642 | - | E |
| 91MA13 | Mathematics: Foundation Course in Mathematics | 6 | GXX | v202637-202643 | - | E |
| 91MAV1 | Mathematics: Teaching practicum | 1.5 | GXX | v202637-202643 | - | E |
| 91MA16 | Mathematics: Mathematics Education 1 | 5.5 | GXX | v202637-202702 | - | E |
| 975GV7 | Educational Sciences, Teaching Practice | 1.5 | GXX | v202643-202643 | - | E |
| 975G03 | Educational Sciences 3, Knowledge Assessment | 7.5 | GXX | v202644-202648 | - | E |
| 91MA14 | Mathematics: One Variable Calculus 1 | 6 | GXX | v202644-202702 | 2 | E |
| 91MA15 | Mathematics: Linear Algebra | 6 | GXX | v202644-202702 | - | E |
| 975G04 | Educational Sciences 4, History of Education, Societal role and values | 7.5 | GXX | v202649-202703 | - | E |

Semester 2 (Spring 2027)

Specialisation: Subject: Mathematics – Preliminary courses

| Course code | Course name | Credits | Level | Weeks | Timetable module | ECV |
|-------------|---|---------|-------|-------|------------------|-----|
| 91BI11 | Biology (1-15 cr) | 15 | GXX | - | E | |
| 91BI21 | Biology (16-30 cr) | 15 | GXX | - | E | |
| 91EN13 | English 1-30 credits | 30 | GXX | - | E | |
| 91MA32 | Mathematics: Programming with a Mathematical and Didactical Perspective | 6 | GXX | 4 | E | |
| 91MA33 | Mathematics: Mathematics Education 2 | 5 | GXX | - | E | |
| 91SH13 | Social Science (1-30 Credits) | 30 | GXX | - | E | |
| 91SV13 | Swedish (1-30 cr) | 30 | GXX | - | E | |
| 9GMA04 | Mathematics, Calculus in One Variable 2 | 6 | GXX | 1 | E | |
| 9GMA05 | Mathematics: Statistics | 5 | GXX | - | E | |
| 9GMA08 | Mathematics: Calculus in Several Variables | 8 | GXX | 2 | E | |

Semester 3 (Autumn 2027)

Specialisation: Subject: Mathematics – Preliminary courses

| Course code | Course name | Credits | Level | Weeks | Timetable module | ECV |
|-------------|--|---------|-------|-------|------------------|-----|
| 92FS11 | Philosophy (1-15 cr) | 15 | GXX | - | E | |
| 92FS21 | Philosophy (16-30 cr) | 15 | GXX | - | E | |
| 92GE01 | Geography (1-30 cr) | 30 | GXX | - | E | |
| 92KE11 | Chemistry (1-15 cr) | 15 | GXX | - | E | |
| 92KE21 | Chemistry (16-30 cr) | 15 | GXX | - | E | |
| 92MA12 | Mathematics: Geometry | 5 | GXX | - | E | |
| 92MA13 | Mathematics: Foundation Course in Mathematics | 6 | GXX | - | E | |
| 92MA14 | Mathematics: One Variable Calculus 1 | 6 | GXX | 2 | E | |
| 92MA15 | Mathematics: Linear Algebra | 6 | GXX | - | E | |
| 92MA16 | Mathematics: Mathematics Education 1 | 5.5 | GXX | - | E | |
| 92MAV1 | Mathematics: Teaching practice (17-18 cr) | 1.5 | GXX | - | E | |
| 92NK11 | Natural Science (1-15 cr) | 15 | GXX | - | E | |
| 92NK21 | Natural Science (16-30 cr) | 15 | GXX | - | E | |
| 92RE13 | Religious Studies (1-15 Cr) | 15 | GXX | - | E | |
| 92RE23 | Religious Studies (16-30 Cr) | 15 | GXX | - | E | |
| 92SA13 | Swedish as a second language 1-30 cr | 30 | GXX | - | E | |
| 975G03 | Educational Sciences 3, Knowledge Assessment | 7.5 | GXX | - | E | |
| 975G04 | Educational Sciences 4, History of Education, Societal role and values | 7.5 | GXX | - | E | |
| 975G07 | Educational Sciences 2, Development and Learning | 8.5 | GXX | - | E | |
| 975GVM | Educational Sciences, Teaching Practice | 1.5 | GXX | - | E | |

Semester 4 (Spring 2028)

Specialisation: Subject: Mathematics – Preliminary courses

| Course code | Course name | Credits | Level | Weeks | Timetable module | ECV |
|-------------|--|---------|-------|-------|------------------|-----|
| 92SA33 | Swedish as a second language 31-52,5 cr | 22.5 | GXX | - | E | |
| 92SAV3 | Swedish as a Second Language: Teaching Practice (46-52,5 cr) | 7.5 | GXX | - | E | |

Semester 5 (Autumn 2028)

Specialisation: Subject: Mathematics – Preliminary courses

| Course code | Course name | Credits | Level | Weeks | Timetable module | ECV |
|-------------|--|---------|-------|-------|------------------|-----|
| 92MA12 | Mathematics: Geometry | 5 | GXX | - | E | |
| 93BI31 | Biology (38-45 cr) | 7.5 | GXX | - | E | |
| 93BI32 | Biology (31-37,5 cr) | 7.5 | GXX | - | E | |
| 93BI41 | Biology (46-60 cr) | 15 | GXX | - | E | |
| 93EN33 | English 31-52,5 credits | 22.5 | G2X | - | E | |
| 93ENV2 | Teaching Practice in English 7.5 credits | 7.5 | GXX | - | E | |
| 93FY31 | Physics (31-37,5 cr) | 7.5 | GXX | - | E | |
| 93FY41 | Physics (46-60 cr) | 15 | GXX | - | E | |
| 93FYV3 | Physics: Teaching Practice (37,5-45 cr) | 7.5 | G1X | - | E | |
| 93SH33 | Social Science (31-52,5 cr) | 22.5 | GXX | - | E | |
| 93SHV3 | Social Science, Teaching Practice, (53-60 hp) | 7.5 | GXX | - | E | |
| 93SV33 | Swedish (31-52,5 cr) | 22.5 | GXX | - | E | |
| 93SVV3 | Swedish: Teaching Practice (53-60 cr) | 7.5 | GXX | - | E | |
| 975G03 | Educational Sciences 3, Knowledge Assessment | 7.5 | GXX | - | E | |
| 975G04 | Educational Sciences 4, History of Education, Societal role and values | 7.5 | GXX | - | E | |
| 975G07 | Educational Sciences 2, Development and Learning | 8.5 | GXX | - | E | |
| 975GVM | Educational Sciences, Teaching Practice | 1.5 | GXX | - | E | |

Semester 6 (Spring 2029)

Specialisation: Subject: Mathematics – Preliminary courses

| Course code | Course name | Credits | Level | Weeks | Timetable module | ECV |
|-------------|--|---------|-------|-------|------------------|-----|
| 93BI52 | Biology (61-67,5 cr) | 7.5 | GXX | - | E | |
| 93BI61 | Biology (76-90 cr) | 15 | GXX | - | E | |
| 93BIV3 | Biology: Teaching Practice (68-75 cr) | 7.5 | GXX | - | E | |
| 93EN53 | English (61-90 cr) | 30 | GXX | - | E | |
| 93MA52 | Mathematics: Mathematics Education 3 | 8 | GXX | - | E | |
| 93MA53 | Mathematics: Introduction to Operations Research | 4 | GXX | - | E | |
| 93MA55 | Mathematics: Calculus, theoretical foundation for secondary mathematics teaching | 4 | GXX | - | E | |
| 93MAV3 | Mathematics: Teaching Practice (69-74 cr) | 6 | GXX | - | E | |
| 93SH54 | Social Science (61-90 Credits) | 30 | GXX | - | E | |
| 93SV51 | Swedish (61-90 cr) | 30 | GXX | - | E | |
| 9GMA10 | Mathematics (76-83 cr) | 8 | GXX | - | E | |

Semester 7 (Autumn 2029)

Specialisation: Subject: Mathematics – Preliminary courses

| Course code | Course name | Credits | Level | Weeks | Timetable module | ECV |
|-------------|---|---------|-------|-------|------------------|-----|
| 93FS53 | Philosophy (61-75 cr) | 15 | GXX | - | E | |
| 93FS63 | Philosophy (61-71 credits) | 15 | GXX | - | E | |
| 93FS73 | Philosophy (76-90 cr) | 15 | GXX | - | E | |
| 93FS83 | Philosophy (76-90 cr) | 15 | GXX | - | E | |
| 93GE53 | Geography (61-90 cr) | 30 | GXX | - | E | |
| 93KE51 | Chemistry (61-75 cr) | 15 | GXX | - | E | |
| 93KE61 | Chemistry (76-90 cr) | 15 | GXX | - | E | |
| 93NK51 | Natural Science (61-75 cr) | 15 | GXX | - | E | |
| 93NK61 | Natural Science (76-90 cr) | 15 | GXX | - | E | |
| 93RE53 | Religious Studies (61-75) | 15 | GXX | - | E | |
| 93RE63 | Religious Studies (76-90) | 15 | GXX | - | E | |
| 93SA53 | Swedish as a second language (61-90 cr) | 30 | GXX | - | E | |
| 93UK51 | Educational Sciences 5, Social Relations and Teachers' Leadership | 7.5 | GXX | - | E | |
| 93UK82 | Educational Sciences, Theory of Science and Research Methods | 7.5 | GXX | - | E | |
| 93XBI1 | Thesis, Biology 1 | 15 | GXX | - | E | |
| 93XEN1 | Thesis, English 1 | 15 | GXX | - | E | |
| 93XFY1 | Thesis, Physics 1 | 15 | GXX | - | E | |
| 93XMA1 | Thesis, Mathematics 1 | 15 | GXX | - | E | |
| 93XSH1 | Thesis, Social Science 1 | 15 | GXX | - | E | |
| 93XSV1 | Thesis, Swedish 1 | 15 | GXX | - | E | |
| 975A11 | Theory and Method in Scientific Work: Qualitative analysis | 7.5 | A1N | - | E | |

Semester 8 (Spring 2030)

Specialisation: Subject: Mathematics – Preliminary courses

| Course code | Course name | Credits | Level | Weeks | Timetable module | ECV |
|-------------|--|---------|-------|-------|------------------|-----|
| 93XSA1 | Thesis, Swedish as a second language 1 | 15 | GXX | - | E | |

Semester 9 (Autumn 2030)

Specialisation: Subject: Mathematics – 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 | |
| 9AMA74 | Mathematics (91-105 Credits) | 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 2031)

Specialisation: Subject: Mathematics – 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 | |
| 9AXSA1 | Thesis in Swedish as a Second Language 2 | 15 | AXX | - | E | |

ECV = Elective / Compulsory /Voluntary

*Kursen läses över flera terminer