

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 2024)

Specialisation: Subject: Mathematics

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
975G01	Educational Sciences 1, Didactics	5	GXX	v202434-202437	-	C
91MA13	Mathematics: Foundation Course in Mathematics	6	GXX	v202437-202443	-	E
91MAV1	Mathematics: Teaching practicum	1.5	GXX	v202437-202443	-	E
975G07	Educational Sciences 2, Development and Learning	8.5	GXX	v202437-202443	-	E
975GVM	Educational Sciences, Teaching Practice	1.5	GXX	v202437-202443	-	E
91MA16	Mathematics: Mathematics Education 1	5.5	GXX	v202437-202502	-	E
975G03	Educational Sciences 3, Knowledge Assessment	7.5	GXX	v202444-202448	-	E
91MA14	Mathematics: One Variable Calculus 1	6	GXX	v202444-202502	2	E
91MA15	Mathematics: Linear Algebra	6	GXX	v202444-202502	-	E
975G04	Educational Sciences 4, History of Education, Societal role and values	7.5	GXX	v202449-202503	-	E

Semester 2 (Spring 2025)

Specialisation: Subject: Mathematics

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
91BI11	Biology (1-15 cr)	15	GXX	v202503-202512	-	E
9GMA04	Mathematics, Calculus in One Variable 2	6	GXX	v202503-202512	1	E
9GMA05	Mathematics: Statistics	5	GXX	v202503-202512	-	E
91MA32	Mathematics: Programming with a Mathematical and Didactical Perspective	6	GXX	v202503-202522	4	E
91EN13	English 1-30 credits	30	GXX	v202504-202523	-	E
91MA33	Mathematics: Mathematics Education 2	5	GXX	v202504-202523	-	E
91SH13	Social Science (1-30 Credits)	30	GXX	v202504-202523	-	E
91SV13	Swedish (1-30 cr)	30	GXX	v202504-202523	-	E
91BI21	Biology (16-30 cr)	15	GXX	v202513-202522	-	E
9GMA08	Mathematics: Calculus in Several Variables	8	GXX	v202513-202522	2	E

Semester 3 (Autumn 2025)

Specialisation: Subject: Mathematics

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
92MA12	Mathematics: Geometry	5	GXX	v202534-202537	-	E
92FS11	Philosophy (1-15 cr)	15	GXX	v202534-202543	-	E
92KE11	Chemistry (1-15 cr)	15	GXX	v202534-202543	-	E
92NK11	Natural Science (1-15 cr)	15	GXX	v202534-202543	-	E
92RE13	Religious Studies (1-15 Cr)	15	GXX	v202534-202543	-	E

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
92GE01	Geography (1-30 cr)	30	GXX	v202534-202603	-	E
92MA16	Mathematics: Mathematics Education 1	5.5	GXX	v202534-202603	-	E
92SA13	Swedish as a second language 1-30 cr	30	GXX	v202534-202603	-	E
975G07	Educational Sciences 2, Development and Learning	8.5	GXX	v202537-202542	-	E
92MA13	Mathematics: Foundation Course in Mathematics	6	GXX	v202537-202543	-	E
92MAV1	Mathematics: Teaching practice (17-18 cr)	1.5	GXX	v202537-202543	-	E
975GVM	Educational Sciences, Teaching Practice	1.5	GXX	v202543-202543	-	E
975G03	Educational Sciences 3, Knowledge Assessment	7.5	GXX	v202544-202548	-	E
92KE21	Chemistry (16-30 cr)	15	GXX	v202544-202602	-	E
92MA14	Mathematics: One Variable Calculus 1	6	GXX	v202544-202602	2	E
92MA15	Mathematics: Linear Algebra	6	GXX	v202544-202602	-	E
92FS21	Philosophy (16-30 cr)	15	GXX	v202544-202603	-	E
92NK21	Natural Science (16-30 cr)	15	GXX	v202544-202603	-	E
92RE23	Religious Studies (16-30 Cr)	15	GXX	v202544-202603	-	E
975G04	Educational Sciences 4, History of Education, Societal role and values	7.5	GXX	v202549-202603	-	E

Semester 4 (Spring 2026)

Specialisation: Subject: Mathematics

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
92FY11	Physics (1-15 cr)	15	GXX	v202603-202612	-	E

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
9GMA04	Mathematics, Calculus in One Variable 2	6	GXX	v202603-202612	1	E
9GMA05	Mathematics: Statistics	5	GXX	v202603-202612	-	E
92KE33	Chemistry (31-45 cr)	15	GXX	v202603-202622	-	E
92MA32	Mathematics: Programming with a Mathematical and Didactical Perspective	6	GXX	v202603-202622	-	E
92FS31	Philosophy (31-37,5 cr)	7.5	GXX	v202604-202608	-	E
92NK31	Natural Science (31-41,5 cr)	11.5	GXX	v202604-202610	-	E
92RE43	Religious Studies (46-60 Credits)	15	GXX	v202604-202615	-	E
92FRLV	French: Teaching Practice	7.5	GXX	v202604-202623	-	E
92GE33	Geography (31-52,5 cr)	22.5	GXX	v202604-202623	-	E
92MA33	Mathematics Mathematics Education 2	5	GXX	v202604-202623	-	E
92SA33	Swedish as a second language 31-52,5 cr	22.5	GXX	v202604-202623	-	E
92SPLV	Spanish: Teaching Practice	7.5	GXX	v202604-202623	-	E
92TYLV	German: Teaching Practice	7.5	GXX	v202604-202623	-	E
92GEV3	Geography, Teaching Practice (52,5-60 cr)	7.5	GXX	v202609-202613	-	E
92FS41	Philosophy (46-60 cr)	15	GXX	v202609-202623	-	E
92FSV3	Philosophy: Teaching Practice (38-45 cr)	7.5	GXX	v202609-202623	-	E
92NKV3	Natural Science; Teaching Practice (42-49 cr)	7.5	GXX	v202611-202616	-	E
92KEV3	Chemistry: Teaching Practice (46-52,5 cr)	7.5	GXX	v202612-202617	-	E
92REV3	Religious Education: Teaching Practice (37,5-45 cr)	7.5	GXX	v202613-202618	-	E

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
92FY21	Physics (16-30 cr)	15	GXX	v202613-202622	-	E
9GMA08	Mathematics: Calculus in Several Variables	8	GXX	v202613-202622	2	E
92SAV3	Swedish as a Second Language: Teaching Practice (46-52,5 cr)	7.5	GXX	v202613-202623	-	E
92NK41	Natural Science (50-60 cr)	11	GXX	v202615-202623	-	E
92KE41	Chemistry (53-60 cr)	7.5	GXX	v202618-202622	-	E
92RE33	Religious Studies (31-37,5 Credits)	7.5	GXX	v202619-202623	-	E

Semester 5 (Autumn 2026)

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 2027)

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 2027)

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 2028)

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
93MA54	Mathematics: Transform Theory	4	G2X	-	-	E
93MA55	Mathematics: Calculus, theoretical foundation for secondary mathematics teaching	4	GXX	-	-	E
93MAV3	Mathematics: Teaching Practice (69-74 cr)	6	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
93XFS1	Thesis, Philosophy 1	15	GXX	-	-	E
93XGE1	Thesis, Geography 1	15	GXX	-	-	E
93XKE1	Thesis, Chemistry 1	15	GXX	-	-	E
93XMA1	Thesis, Mathematics 1	15	GXX	-	-	E
93XNK1	Thesis, Natural Science 1	15	GXX	-	-	E
93XRE1	Thesis, Religious education 1	15	GXX	-	-	E
93XSA1	Thesis, Swedish as a second language 1	15	GXX	-	-	E
975A12	Theory and Method in Scientific Work: Statistics for teachers	7.5	AXX	-	-	E
9GMA10	Mathematics (76-83 cr)	8	GXX	-	-	E

Semester 9 (Autumn 2028)

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 2029)

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
9AVFU3	Teaching Practice	13.5	AXX		-	C
9AXBI1	Thesis in Biology 2	15	AXX		-	E
9AXEN1	Thesis in English 2	15	AXX		-	E
9AXFS1	Thesis in Philosophy 2	15	AXX		-	E
9AXFY1	Thesis in Physics 2	15	AXX		-	E
9AXGE1	Thesis in Geography 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
9AXRE1	Thesis in Religious Studies 2	15	AXX		-	E
9AXSA1	Thesis in Swedish as a Second Language 2	15	AXX		-	E
9AXSH1	Thesis in Social Science 2	15	AXX		-	E
9AXSV1	Thesis in Swedish 2	15	AXX		-	E

ECV = Elective / Compulsory / Voluntary

*Kursen läses över flera terminer