

# Secondary School Teacher Programme with a specialization in Teaching in the Upper- Secondary School, subject Mathematics

300 credits

Ämneslärarprogrammet med inriktning mot arbete i  
gymnasieskolan, ingång Matematik

L1GMA

Valid from: 2015 Autumn semester

**Determined by**  
The Board of Educational Science

**Date determined**  
2010-05-20

**Revision date**  
2015-03-19

## Entry requirements

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### Degree in Swedish

Ämneslärarexamen med inriktning mot arbete i gymnasieskolan

### Degree in English

Degree of Bachelor of Arts in Upper Secondary Education

Degree of Bachelor of Science in Upper Secondary Education

## Curriculum

### Semester 1 (Autumn 2015)

Course code	Course name	Credits	Level	Weeks	ECV
91MAD1	Mathematcis Education 1	5.5	G1X		
91MAV1	Mathematics: Teaching practicum	1.5	G1X		
975G01	Educational Sciences 1, Didactics	5	G1X		
9GMA01	Mathematics: Algebra	6	G1X		
9GMA02	Mathematics: One variable calculus 1	6	G1X		
9GMA03	Mathematics: Linear algebra	6	G1X		

### Semester 2 (Spring 2016)

Course code	Course name	Credits	Level	Weeks	ECV
91MAD3	Mathematics Education 2	6	G1X		C
9GMA04	Mathematics, Calculus in One Variable 2	6	G1X		
9GMA05	Mathematics, Statistics	5	G1X		
9GMA07	Mathematics, History of Mathematics	3	G1X		
9GMA08	Mathematics, Calculus in Several Variables	8	G1X		E

### Semester 3 (Autumn 2016)

Course code	Course name	Credits	Level	Weeks	ECV
92F1V1	French, Teaching Practise	2.5	G1X		
92FR11	French (1-27,5)	27.5	G1X		
92FS11	Philosophy (1-15)	15	G1X		
92FS21	Philosophy (16-30)	15	G1X		E
92GE01	Geography (1-30)	30	G1X		
92KE11	Chemistry (1-15)	15	G1X		
92KE21	Chemistry (16-30)	15	G1X		E
92NK11	Natural Science (1-15)	15	G1X		
92NK21	Natural Science (16-30)	15	G1X		
92RE11	Religious Education (1-15)	15	G1X		
92RE21	Religious Education (16-30)	15	G1X		
92S1V1	Spanish, Teaching Practise	2.5	G1X		E
92SP11	Spanish (1-27.5)	27.5	G1X		E
92T1V1	German, Teaching Practise	2.5	G1X		E
92T1V2	Technology: Teaching Practise (28-30)	3	G1X		
92TK11	Technology (1-15)	15	G1X		
92TK21	Technology (16-27)	12	G1X		
92TY11	German (1-27,5 hp)	27.5	G1X		
975G03	Educational Sciences 3, Knowledge Assessment	7.5	G1X		
975G04	Educational Sciences 4, History of Education, Societal role and values	7.5	G1X		
975G07	Educational Sciences 2, Development and Learning	8.5	G1X		C
975GV7	Educational Sciences, Teaching Practise	1.5	G1X		
9GMA09	Mathematics: Geometry ( )	5	G1X		E

## Semester 4 (Spring 2017)

Course code	Course name	Credits	Level	Weeks	ECV
92E1V1	English, Teaching Practise	2.5	G1X		
92FY11	Physics (1-15 hp)	15	G1X		E
92FY21	Physics (16-30 hp)	15	G1X		

Course code	Course name	Credits	Level	Weeks	ECV
92NKV3	Natural Science; Teaching Practice (42-49), 7,5 ECTS Credits	7.5	G1X		E
92TK31	Technology (31-40,5)	10.5	G1X		E
92TK41	Technology (46-60)	15	G1X		E
92TKV3	Technology: Teaching Practice (41-45), 4,5 ECTS Credits	4.5	G1X		E
92TYV3	German: Teaching Practice, 5 ECTS Credits	5	G1X		E
92BI11	Biology (1-15)	15	G1X	v201703-201710	
92KE31	Chemistry (31-45)	15	G1X	v201703-201710	E
92RE31	Religious Education (31-37,5)	7.5	G1X	v201704-201708	E
92NK31	Natural Science (31-41,5)	11.5	G1X	v201704-201715	E
92GE31	Geography (31-52,5)	22.5	G1X	v201704-201718	E
92EN11	English (1-27,5 hp)	27.5	G1X	v201704-201723	E
92FR31	French (31-55)	25	G1X	v201704-201723	E
92SH01	Social Science: Didactics	9	G2X	v201704-201723	E
92SP31	Spanish (31-55 )	25	G1X	v201704-201723	E
92TY31	German (31-55)	25	G1X	v201704-201723	E
9GSH01	Social science: Political theory	6	G1X	v201705-201708	
92GEV3	Geography, Teaching Practice, 7,5 ECTS Credits	7.5	G1X	v201707-201717	E
92REV3	Religious Education: Teaching Practice, 7,5 ECTS Credits	7.5	G1X	v201709-201713	E
9GSH02	Social Science: Sociology 1	7.5	G1X	v201709-201713	
92BI21	Biology (16-30)	15	G1X	v201712-201721	

Course code	Course name	Credits	Level	Weeks	ECV
92KE41	Chemistry (53-60 hp)	7.5	G1X	v201712-201721	E
92KEV3	Chemistry: Teaching Practice, 7,5 ECTS Credits	7.5	G1X	v201712-201721	E
9GSH03	Social Science: Economics	7.5	G1X	v201714-201718	
92RE41	Religious Education (46-60)	15	G1X	v201714-201723	E
92FRV3	French: Teaching Practice (56-60), 5 ECTS Credits	5	G1X	v201716-201723	E
92NK41	Natural Science (50-60)	11	G1X	v201716-201723	E
92FS31	Philosophy (31-37,5)	7.5	G1X	v201804-201808	E
92FSV3	Philosophy: Teaching Practice, 7,5 ECTS Credits	7.5	G1X	v201809-201813	E
92FS41	Philosophy (46-60 hp)	15	G1X	v201814-201823	E
92SPV3	Spanish, Teaching Practise	5	G1X	v201816-201823	E

## Semester 5 (Autumn 2017)

Course code	Course name	Credits	Level	Weeks	ECV
93FY31	Physics (31-37,5)	7.5	G2X		
93FY41	Physics (46-60)	15	G2X		
93FYV3	Physics: Teaching Practice (37,5-45), 7,5 ECTS Credits	7.5	G1X		E
975G04	Educational Sciences 4, History of Education, Societal role and values	7.5	G1X		E
9GMA09	Mathematics: Geometry ( )	5	G1X	v201734-201737	C
93BI32	Biology (31-37,5 hp)	7.5	G2X	v201734-201738	
93SH02	Social Science: Didactics	7.5	G2X	v201734-201738	
93EN31	English (31-55)	25	G2X	v201735-201803	
93BI31	Biology (38-45)	7.5	G1X	v201738-201741	
93ENV4	English: teaching practice (59-60)	2	G2X	v201739-201740	E
975G07	Educational Sciences 2, Development and Learning	8.5	G1X	v201739-201743	E
9GSH04	Social Science: Swedish politics	7.5	G1X	v201739-201743	
93ENV3	English: Teaching Practice (56-58,5), 3 ECTS Credits	3	G2X	v201739-201749	E
975GV7	Educational Sciences, Teaching Practise	1.5	G1X	v201741-201741	E
975G03	Educational Sciences 3, Knowledge Assessment	7.5	G1X	v201744-201748	E
93BI41	Biology (46-60)	15	G1X	v201744-201751	
9GSH05	Social science: International politics	7.5	G1X	v201744-201803	E
93SHV9	Social Science, Teaching Practice, (46-52,5 hp)	7.5	G1X	v201745-201749	E

## Semester 6 (Spring 2018)

Course code	Course name	Credits	Level	Weeks	ECV
93FY51	Physichs (61-75 cr)	15	G2X		E
93FY61	Physics (76-90 cr)	15	G2X		E
93TY51	German (61-90 cr)	30	G2X		E
93BI52	Biology (61-67,5 cr)	7.5	G2X	v201803-201808	C
93MA51	Mathematics (61-68,5 cr)	7.5	G2X	v201803-201811	E
93FS51	Philosophy (61-75 cr)	15	G2X	v201804-201813	E
93FS61	Philosophy (76-90 cr)	15	G2X	v201804-201813	E
93SH03	Social Science: Didactics	9	G2X	v201804-201814	E
93EN51	English (61-90 cr)	30	G2X	v201804-201823	E
93MAV3	Mathematics: Teaching Practise (69-74 cr)	6	G2X	v201805-201810	E
93BIV3	Biology: Teaching Practise (68-75 cr)	7.5	G2X	v201807-201812	C
9GSH07	Social Science: Sociology 2	7.5	G2X	v201809-201813	
9GMA12	Mathematics (84-91,5)	8.5	G2X	v201812-201821	E
93BI61	Biology (76-90 cr)	15	G2X	v201812-201822	C
9GMA10	Mathematics (76-83 cr)	8	G2X	v201812-201822	E
93FS71	Philosophy (76-90 cr)	15	G2X	v201814-201823	E
9GSH08	Social science: Comparative politics	6	G2X	v201815-201818	
9GSH06	Social Science: Economics	7.5	G2X	v201819-201823	



## Semester 7 (Autumn 2018)

Course code	Course name	Credits	Level	Weeks	ECV
93FR51	French (61-90 cr)	30	G2X		E
93NK51	Natural Science (61-75 cr)	15	G2X		E
93NK61	Natural Science (76-90 cr)	15	G2X		E
93RE53	Religious Studies (61-75)	15	G2X		E
93RE63	Religious Studies (76-90)	15	G2X		E
93SP51	Spanish (61-90 cr)	30	G2X		E
93UK51	Educational Sciences 5, Social Relations and Teachers' Leadership	7.5	G2X	v201834-201838	E
93GE51	Geography (61-75 cr)	15	G2X	v201834-201843	E
93TK51	Technology (61-75 cr)	15	G2X	v201834-201843	E
93KE51	Chemistry (61-75 cr)	15	G2X	v201836-201842	E
93UK61	Educational Sciences 6, Special Needs Education	7.5	G2X	v201839-201843	E
93GE61	Geography (76-90 cr)	15	G2X	v201844-201903	E
93TK61	Technology (76-90 cr)	15	G2X	v201844-201903	E
93XBI1	Thesis, Biology	15	G2E	v201844-201903	E
93XEN1	Thesis, English	15	G2E	v201844-201903	E
93XHI1	Thesis, History	15	G2E	v201844-201903	E
93XMA1	Thesis, Mathematics	15	G2E	v201844-201903	E
93XSH1	Thesis, Social Science	15	G2E	v201844-201903	E
93XSV1	Thesis, Swedish	15	G2E	v201844-201903	E
93KE61	Chemistry (76-90 cr)	15	G2X	v201845-201851	E

## Semester 8 (Spring 2019)

Course code	Course name	Credits	Level	Weeks	ECV
93UK51	Educational Sciences 5, Social Relations and Teachers' Leadership	7.5	G2X	v201904-201908	E
93MA52	Mathematics: Mathematics Education 3	8	G2X	v201904-201912	E
93BI52	Biology (61-67,5 cr)	7.5	G2X	v201904-201923	
93BI61	Biology (76-90 cr)	15	G2X	v201904-201923	E
93BIV3	Biology: Teaching Practise (68-75 cr)	7.5	G2X	v201904-201923	C
93EN51	English (61-90 cr)	30	G2X	v201904-201923	E
93FS51	Philosophy (61-75 cr)	15	G2X	v201904-201923	E
93FS61	Philosophy (76-90 cr)	15	G2X	v201904-201923	E
93FS71	Philosophy (76-90 cr)	15	G2X	v201904-201923	E
93FS81	Philosophy (76-90 cr)	15	G2X	v201904-201923	
93FY51	Physichs (61-75 cr)	15	G2X	v201904-201923	E
93FY61	Physics (76-90 cr)	15	G2X	v201904-201923	E
93SH53	Social Science (61-90 Credits)	30	G2X	v201904-201923	E
93TY51	German (61-90 cr)	30	G2X	v201904-201923	E
9GMA10	Mathematics (76-83 cr)	8	G2X	v201904-201923	E
93XSP1	Thesis, Spanish	15	G2E	v201906-201919	E
93UK61	Educational Sciences 6, Special Needs Education	7.5	G2X	v201909-201913	E
93MA53	Mathematcs: Intriduction to Operations Research	4	G2X	v201913-201923	E
93MA54	Mathematics: Transform Theory	4	G2X	v201913-201923	E

Course code	Course name	Credits	Level	Weeks	ECV
93XBI1	Thesis, Biology	15	G2E	v201914-201923	E
93XEN1	Thesis, English	15	G2E	v201914-201923	E
93XFR1	Thesis, French	15	G2E	v201914-201923	E
93XFY1	Thesis, Physics	15	G2E	v201914-201923	E
93XGE1	Thesis, Geography	15	G2E	v201914-201923	E
93XHI1	Thesis, History	15	G2E	v201914-201923	E
93XKE1	Thesis, Chemistry	15	G2E	v201914-201923	E
93XMA1	Thesis, Mathematics	15	G2E	v201914-201923	E
93XNK1	Thesis, Natural Science	15	G2E	v201914-201923	E
93XRE1	Thesis, Religious education	15	G2E	v201914-201923	E
93XSA1	Thesis, Swedish as a second language	15	G2E	v201914-201923	E
93XSH1	Thesis, Social Science	15	G2E	v201914-201923	E
93XSV1	Thesis, Swedish	15	G2E	v201914-201923	E
93XTK1	Thesis, Technology	15	G2E	v201914-201923	E
93XTY1	Thesis, German	15	G2X	v201914-201923	E

## Semester 9 (Autumn 2019)

Course code	Course name	Credits	Level	Weeks	ECV
9AMA01	Mathematics: Numerical Methods (91-97,5 cr)	7.5	A1X	v201934-201944	E
9AMA73	Mathematics (91-105 Credits)	15	A1X	v201934-202003	C
9AUK81	Educational Sciences 8, Theory of science and research methods	7.5	A1X	v201944-201948	C
93XFS1	Thesis, Philosophy	15	G2E	v201944-202003	E
9AUK71	Educational Sciences 7: School Development and Evaluation	9*	A1X	v201949-202004	C

## Semester 10 (Spring 2020)

Course code	Course name	Credits	Level	Weeks	ECV
9AUK71	Educational Sciences 7: School Development and Evaluation	9*	A1X	v201949-202004	C
9AXFR1	Thesis in French	15	A1X	v202004-202023	E
9AXFY1	Thesis in Physics	15	A1X	v202004-202023	E
9AXKE1	Thesis in Chemistry	15	A1E	v202004-202023	E
9AXSP1	Thesis in Spanish	15	A1E	v202004-202023	E
9AVFU3	Teaching Practice	13.5	A1X	v202005-202014	E
9AXBI1	Thesis in biology	15	A1X	v202008-202023	E
9AXMA1	Thesis in Mathematics	15	A1X	v202010-202020	E
9AXFS1	Thesis in Philosophy	15	A1X	v202014-202023	E
9AXGE1	Thesis in Geography	15	A1X	v202014-202023	E
9AXHI1	Thesis in History	15	A1X	v202014-202023	E
9AXNK1	Thesis in Natural Science	15	A1X	v202014-202023	E
9AXRE1	Thesis in Religious Studies	15	A1X	v202014-202023	E
9AXSH1	Thesis in Social Science	15	A1X	v202014-202023	E
9AXSV1	Thesis in Swedish	15	A1X	v202014-202023	E

ECV = Elective / Compulsory /Voluntary

\*Kursen läses över flera terminer