Matrise - læringsmål, program: Mathematical Sciences - master			Computer-intensive Statistics	Multivariable Statistical Analysis	Mathematical Methods	Nonlinear Waves	Climate Dynamics	Differential Geometry	Differential Geometry 2	Algebra 2	Algebraic Geometry	
Learning Outcomes		**MAT-3001/2**	**STA-3001**	**STA-3002**	**MAT-3200**	**MAT-3202**	**MAT-3213**	**MAT-3110**	**MAT-3111**	**MAT-3300**	**MAT-3303**	**Thesis**
Knowledge - the candidate	Has advanced knowledge within mathematical areas such as statistics, algebra, geometry or applied mathematics		X	X	X	X	X	X	X	X	X	X
	Has solid knowledge about fields close to the chosen main area	X			X	X	X					
	Has sufficient knowledge of mathematics to teach in senior high school	X			X	X		X	X	X	X	
	Has solid knowledge about fields close to mathematics and statistics, such as physics or computer science		X		X	X	X	X	X	X	X	
	Has thorough knowledge of mathematical or statistical methods in theory and practice and can analyze academic problems on the basis of traditions in the academic field	X										X
	Can apply mathematical or statistical methods in new areas of natural and social science	X			X	X	X					
Skills - the candidate	Can enter complicated problem issues, uncover structures and formulate precise problems, find suitable analytical and/or numerical solution methods, and interpret the solutions	X		X	X	X	X				X	X
	Has good practical skills in using relevant programming tools	X	X			X	X					X
	Can use existing literature in an active way to understand the work of other scientists, and as support to solve own mathematical problems	X					X					X
	Can use mathematical or statistical methods in theory and practice, and make an independent judgment of the applicability of theory and models for a given problem		X	X	X	X	X					X
	Can carry out an independent, limited research project under supervision and in accordance with applicable norms for research ethics in the mathematical Sciences	X										X
General Competence - the candidate	Has solid knowledge of a broad variety of mathematical and statistical methods and techniques for analysis and problem solving	X	X	X	X	X		X	X	X	X	X
	Has acquired good theoretical insight and the ability to apply mathe-matical theory, methods and techniques to solve problems		X	X	X	X						X
	Possesses necessary qualifications for work within industry, technology, science, information technology, and schools.		X	X	X	X	X	X		X	X	X
	Can apply knowledge within mathematics and statistics on problems and questions arising within social and natural sciences		X	X	X	X	X					X
	Can cooperate in an interdisciplinary way with other specialists	X				X	X					
	Can find precise and scientific formulations, in oral and written language	X					X	X	X	X	X	X
	Can do independent scientific work and formulate the contents of the work within the framework of the terminology of mathematics and statistics					X	X					X
	Can make knowledge-based judgments on general scientific issues and communicate these in public.	X					X					X
	Can contribute to new thinking and innovation processes in the field of mathematics and statistics	X										X