Major: 36 cr (minimum)	
Group I: Specialization	24cr
A. Science Education	12cı
Topical Seminars	6c
Q612: Topical Seminar in Science Education (At least two	sections)
Science Methods (Choose two of the courses below)	60
E548: Advanced Study in the Teaching of Elementary Scho	ool Science
S518: Advanced Study in the Teaching of Secondary School	ol Science
Q528: Demonstration and Field Strategies in Science	
Q540: Teaching Environmental Education	
B. Science Education Support Area	12c1
A cohesive set of courses to support the students research interests	and
professional agenda. These courses may be chosen from science co	ontent :
departments, philosophy of science, educational psychology, IST,	or another area
determined by the student's committee.	
Group II: Departmental Seminars	6cr
Q610: Science Education Curriculum	
Q611: Research Issues in Science Education	
Group III: Inquiry Requirements	6cr
J705: Inquiry in Curriculum and Instruction	
Q690: Advanced Research in Science Education	
Minor: 12cr Courses in one science discipline.	
Inquiry Core: 15 cr	
1. Introductory Course	3cr
Y520: Strategies for Educational Inquiry	
2. Statistical Techniques (minimum 3 credits)	3-9cr
Y502: Intermediate Statistics Applied to Education	
Y603: Statistical Design in Educational Research	
Y604: Multivariate Analysis in Educational Research	
3. Qualitative Inquiry Approaches (minimum 3 credits)	3-9cr
E606: Research Methods in Cultural Anthropology	
S659: Qualitative Methods in Sociology	
Y611: Naturalistic Inquiry	
4. Measurement, Evaluation, and Design	0-3cr
P527: Educational Measurement	
P617: Psychometric Theory	
J660: Evaluation of School Programs	
Y535: Evaluation Models and Techniques	
Y635: Methodology of Educational Evaluation	
Y735 Practicum in Educational Evaluation	

Dissertation: 15cr

J795: Dissertation Proposal Preparation

โดยเลยเหมือนตายเป็นหลับใน เลิมโดย โด

NOTE DESCRIPTION OF THE PROPERTY.

J799: Dissertation

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Total Credit Hours: 90