

Specialist (Ed.S.) in Curriculum & Instruction with a major in Science Education

<u>Requirements for the Specialist in Curriculum and Instruction</u> (Minimum 32 SCHs)	Specialist in Curriculum and Instruction with a Major in Science Education 35 SCHs
Interdepartmental Core <ul style="list-style-type: none"> ● Curriculum Theory (3) ● Learning Theory (3) ● Policy Studies (3) 	Interdepartmental Core 9 hr <ul style="list-style-type: none"> ● Curriculum Theory (3) - EDG 6221: Curriculum Theory (3) ● Learning Theory (3) - SCE 5147: Perspectives on Learning in Science Education or EDG 5216: Theories of Learning ● Policy Studies (3) - SSE 5937: Impact of Policy on Teaching and Teacher Education
Seminars	Seminars 2 hr <ul style="list-style-type: none"> ● SCE 5946r: Supervised Teaching I (1) – required ● SCE 5946r: Supervised Teaching II (1) – required
Research Methods Core	Research Methods Core 9 hr <ul style="list-style-type: none"> ● SCE 5910r: Supervised Research I (1) – required (research rotation) ● SCE 5910r: Supervised Research II (1) – required (research rotation) ● EDF 5400: Descriptive and Inferential Statistics (4) ● EDF 5401: General Linear Modeling Applications (4) ● EDF 5402: Advanced Topics in Analysis of Variance (3) ● EDF 5410: Nonparametric Analysis Applications (3) ● EDF 6937: Seminar in Advanced Research Problems - HLM (3) ● EDF 6475: Qualitative Methods in Educational Research (3) ● EDF 6479: Qualitative Data Analysis (3) ● SCE 6761: Classroom Based Research ● MAE 6939: Research in Mathematics Education
Major	Major 15 hr <ul style="list-style-type: none"> ● SCE 5336: Instructional Strategies in Science Education (3) ● SCE 6761: Research, Recent Developments, and Current Issues (Modeling the Mind) (3) ● SCE 5895: Disciplinary Engagement in Science (3) ● EDF 6 547: Philosophical Foundations of Educational Research ● SCE 5545: Policy, Equity, and Instruction in Science Learning ● SCE 6395: Teacher Learning and Professional Development ● MAE 6939: Seminar in Mathematics Teacher Education
Final Product (0 SCH)	(0 SCH) <ul style="list-style-type: none"> ● SCE 8968r. Specialist in Education Comprehensive Examination