

**Science and Mathematics Education
Ph.D. Coursework
Science and Mathematics K-12 Learning and Teaching & College Concentrations
Fall 2007**

MAJOR

Research Content Courses – Two year sequence-----24 hours
[SED 621, 623, 589/599, & 607 (1 credit/quarter), 611, 613, 589/599]

Research Methods Courses-----16-18 hours
[SED 580*, 612, 622, plus two additional methods courses]

Teaching & Learning Internship-----3-9 hours
[SED 615]

Dissertation-----36 hours
[SED 603]

Other 500 level courses (or above) in SED or other departments

Major Course work minimum**: **85 hours total**

Options include: SED 595, Assessment; SED 597, Professional Development; SED 588/598, Science/Math Curriculum; Human development; psychology, sociology, anthropology, history, philosophy, technology, education, and women studies.

MINOR

One minor area is required with a total of-----27 hours
[For most students this requirement is fulfilled by coursework in a Master's degree.]

Full Program Minimum-----112 hours

*SED 580 is a prerequisite/corequisite course to many of the 600 level courses.

**Your advisor and program of study committee are an integral part of designating the courses to meet the major degree requirements.