Science OR Mathematics Education  
Ph.D. Coursework  
Science OR Mathematics K-12 & College Concentrations 

**MAJOR**
Research Content Courses – Two year sequence-------------------------------24 hours  
[SED 621, 623, 699, & 607 (1 credit/quarter), 611, 613, 699]

Research Methods Courses--------------------------------------------------------16-18 hours  
[SED 580*, 612, 622, plus two additional methods courses]  
Practicum in Math/Science in College Teaching 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 online courses in K12 or FCL program; 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/co-requisite 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.