



## MS—Core Professional Coursework

The Core courses are required of all students and should be taken in sequential order with the exception of the technology course. There are 17 total credits required for completion of the Core coursework.

### Description of Courses

**ED 500 Seminar (2)** A general topics course based on the reading of a good national book (or books) on the education profession or topics of interest in education and the writing of a referenced essay. This helps verify writing ability at the advanced levels and serve as a cohort developer and advising session for program development.

**ED 511 Reading Research in Education: Theoretical and Empirical Perspectives (3)** A comprehensive course on sources of research, reading and understanding research, and doing a literature review with a primary emphasis on qualitative research. Prerequisite: ED 500.

**ED 522 Research design in Education (3)** Sampling and experimental design, quasi design. Comprehensive course on parametric and nonparametric methods. Focus on the practical application of statistical tests and the concept of significance. Sample tests such as descriptive statistics, correlation, regression, ANOVA, and tests for significance. Primarily emphasizes quantitative educational research. Prerequisite: ED 511

**ED 586 Research Methods in Education: Planning and Writing (3)** This course outlines the actual outcomes for a research path. Also application of software programs. Outcome: Master's Thesis/Project Proposal. Prerequisite: ED 522

**ED 503 Thesis/Project (6 credits)** This course expands upon the introductory chapters of the thesis and complete the data collection, summary, discussion, and conclusions and recommendations. The thesis culminates with an oral presentation to the Masters committee and other interested faculty. Prerequisites: ED 500, ED 511, ED 522, ED 586