

## Research Tools Requirement for the MISE Doctoral Program

The University requires doctoral students to take 9 credits (3 courses) in “research tools,” to be specified by each program. The basic MISE requirement is at least one course in quantitative methods and one in qualitative methods. Bearing this basic requirement in mind, the 9 credits of research tools can be drawn from the following courses on research methods. However, we strongly recommend that you discuss your course choices with faculty and other students. Students who have already taken these courses are an important source of information for new students.

We recommend that you take three EMR courses, depending on your interest in Qualitative or Quantitative research.

Please see your MISE academic advisor for additional information.

Note: Some of these courses may or may not run any given semester. Most (but not all) virtual courses are fully synchronous in the evening.

	<b>Entry Course</b> <i>(semesters offered, method)</i>	<b>Advanced Courses</b> <i>(semesters offered, method)</i>
Quantitative Research Methods	<b>EMR 6450*: Data Analytics I</b> <i>(F, S, online)</i>	<b>EMR 6650: Data Analytics II</b> <i>(F, S, online)</i>
		EMR 6500: Survey Research <i>(F, online)</i>
		EMR 6750: Multivariate Statistics <i>(F, online)</i>
		EMR 6850: Hierarchical Linear Modeling <i>(S, online)</i>
	STAT 5670: Statistical Design and Analysis of Experiments <i>(S, online)</i>	STAT 5610: Applied Multivariate Statistical Methods <i>(F, online)</i>
		STAT 5660: Nonparametric Statistical Methods <i>(S, in-person)</i>
Qualitative Research Methods	<b>EMR 6480*: Qualitative Research Methods</b> <i>(F, S, Sum I, online)</i>	<b>EMR 6580: Qualitative Research Practicum</b> <i>(F, online; S, in-person)</i>
	SOC 6820: Qualitative Methods <i>(Sum I, online)</i>	EMR 6770: Ethnographic Research Methods <i>(Sum II, online)</i>
Other Course Options (will not count as quantitative or qualitative)	SOC 6060: Research Design and Data Collection <i>(F, in-person)</i>	EMR 6560: Mixed Methods <i>(S, online)</i>

### Recommended Courses in Purple

*(F – Fall, S – Spring, Sum I – Summer I, Sum II – Summer II)*

\*EMR 6450 and EMR 6480 both have the pre-requisite of EMR 5400 (Fundamentals of Evaluation, Measurement, and Research). Some students may be able to get EMR 5400 waived, depending on previous coursework. However, if you cannot get this class waived and need to take it, it will NOT count toward your 9 credits of research tools courses. EMR 5400 is offered every semester (F, S, Sum I, and Sum II) in an online format.

Note: The semesters that courses are offered may be subject to change. Updates to this document will be made as needed.