

Certificate in Quantitative Research Methods

Education Track:

For the 12-credit certificate, students are *required to take*:

Code	Title	Credits
EFR 516	Statistics II	3
EFR 518	Multivariate Analysis	3

And choose *two of the following*

Code	Title	Credits
EFR 512	Survey Design and Analysis	3
EFR 513	Large Dataset Management and Analysis	3
EFR 522	Mixed-Methods Research	3
EFR 517	Advanced Research Methodologies	3
EFR 535	Data Analytics and Visualization with R	3
EFR 523	Structural Equation Modeling	3

** Relevant courses offered at UND not listed will be considered and may be included with approval from certificate coordinator*

**Note. EFR 515 Statistics 1 is a prerequisite (can be transferred from another program/institution with approval) but credits would not count towards the certificate.*

Psychology Track:

For the 12-credit certificate, students are *required to take*:

Code	Title	Credits
PSYC 541	Advanced Univariate Statistics	3
PSYC 542	Multivariate Statistics for Psychology	3
PSYC 543	Experimental Design	3

And choose *one of the following*:

Code	Title	Credits
PSYC 595	Seminar in Psychology	1-3
EFR 513	Large Dataset Management and Analysis	3
EFR 523	Structural Equation Modeling	3

** Relevant courses offered at UND not listed will be considered and may be included with approval from certificate coordinator*