

APPLIED BIOSTATISTICS (ABIO) - CERTIFICATE

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The Certificate program in Applied Biostatistics is available to Mayo Clinic professionals who are working in related disciplines. Doctoral candidates may be considered. Potential candidates for the degree must hold Mayo Clinic appointments of sufficient duration to complete the program requirements.

Course Work

The curriculum for the Certificate award consists of **12 credits**. The student must complete all of the required courses listed below:

| Code | Title | Hours |
|---------------------------|--|-----------|
| Core Courses | | |
| MGS 6000 | Responsible Conduct of Research | 1 |
| Track Requirements | | |
| CTSC 5300 | Foundations of Epidemiology | 1 |
| CTSC 5600 | Introduction to Statistics in Clinical and Translational Research | 3 |
| CTSC 5602 | Introduction to Utilizing Statistical Software in Clinical and Translational Research | 1 |
| CTSC 5610 | Statistics in CTR: Linear Regression Concepts, Interpretation, and Statistical Software | 3 |
| CTSC 5640 | Statistics in Clinical and Translational Research: Logistic Regression with Statistical Software | 1 |
| CTSC 5650 | Advanced Statistics in CTS Research: Survival Analysis with Statistical Software | 1 |
| CTSC 5720 | Clinical Trials Design and Conduct | 1 |
| Total Hours | | 12 |

Suggested Sequence

Below is an example of a suggested sequence based on a Summer term start.

Individual course plans will vary depending on the quarter you enter the program and/or if you are pursuing an optional concentration, etc. Progress on the course plan should be documented on your degree planning tool. Contact the track Education Coordinator for additional information.

| Code | Title | Hours |
|---------------------------------|---|-------|
| First Year - Summer Term | | |
| CTSC 5600 | Introduction to Statistics in Clinical and Translational Research | 3 |
| CTSC 5602 | Introduction to Utilizing Statistical Software in Clinical and Translational Research | 1 |
| First Year - Fall Term | | |
| CTSC 5300 | Foundations of Epidemiology | 1 |
| CTSC 5610 | Statistics in CTR: Linear Regression Concepts, Interpretation, and Statistical Software | 3 |
| First Year - Winter Term | | |
| MGS 6000 | Responsible Conduct of Research | 1 |