

# CLINICAL RESEARCH

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## Degree Requirements

### Master of Science (M.S.)

Requirements listed here are in addition to Graduate Council policies listed under GCAC-600 Research Degree Policies. (<http://gradschool.psu.edu/graduate-education-policies/>)

Each student in Clinical Research is expected to acquire breadth of knowledge in the disciplines of Biostatistics, Epidemiology, and Health Services and Behavioral Research, and skills in the areas of experimental design, data collection, and quantitative analysis. The PHS Clinical Research Master of Science degree can lead to careers in a wide variety of fields and settings, including academic health centers; the health insurance industry; health services networks; local, state, and federal government agencies; and the pharmaceutical industry.

Each student must complete at least 30 credits at the 500 or 600. Each student must submit an original Master's thesis according to the guidelines outlined by the Graduate School (<http://gradschool.psu.edu/current-students/etd/>).

Code	Title	Credits
<b>Required Courses</b>		
PHS 500	Research Ethics for Clinical Investigators	1
PHS 519	Patient Centered Research	3
PHS 520	Principles of Biostatistics	3
PHS 521	Applied Biostatistics	3
PHS 550	Principles of Epidemiology	3
PHS 580	Clinical Trials: Design and Analysis	3
Choose 8 credits from the following:		8
PHS 504	Behavioral Health Intervention Strategies	
PHS 518	Scientific Communication	
PHS 522	Multivariate Biostatistics	
PHS 529	Biostatistical Computing for Public Health	
PHS 530	Principles of Health Services Research	
PHS 535	Quality of Care Measurement	
PHS 536	Health Survey Research Methods	
PHS 540	Decision Analysis for Public Health	
PHS 551	Advanced Epidemiological Methods	
PHS 570	Health Economics and Economic Evaluation	
<b>Culminating Experience</b>		
PHS 600	Thesis Research	6
<b>Total Credits</b>		<b>30</b>