





they clinical, functional, quality of life, or economic. It builds evidence about benefits, risks, and results of treatments, as well as cost and quality of care, that allow clinicians and patients to make informed health

services office online at [finaid.slu.edu](http://finaid.slu.edu).

**Required Core Coursework (24 credits)**

HCE	5330	Research Ethics	1
ORES	5010	Introduction to Biostatistics for Health Outcomes Research	3
ORES	5150	Multivariate Analysis for Health Outcomes Research	3
ORES	5160	Data Management	3
ORES	5300	Foundations of Outcomes Research I	3
ORES	5310	Foundations of Outcomes Research II	3
ORES	5320	Scientific Writing and Communication	2
ORES	5400	Pharmacoeconomics	3
ORES	5960	Health Outcomes Research Capstone	3

Students must complete the core coursework and the concentration curriculum as follows:

**Elective Courses (12 credits)**

ORES	5210	Foundations of Medical Diagnosis and Treatment	3
ORES	5260	Pharmacoepidemiology	3
ORES	5410	Evaluation Sciences	3
ORES	5420	Clinical Trials Design and Analysis	3
ORES	5430	Health Outcomes Measurement	3
ORES	5440	Comparative Effectiveness Research	3
ORES	5580	Qualitative Research Methods	3
ORES	5560	R Programming	3
ORES	5550	SAS Programming I	3

Students must complete the core coursework and the concentration curriculum as follows:

**Clinical Trials Course (3 credits)**

ORES	5420	Clinical Trials Design and Analysis	3
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**Research Course (3 credits)**

ORES	5430	Health Outcomes Measurement	3
ORES	5440		

Completion of all Ph.D. candidacy requirements and oral defense of the doctoral dissertation are followed by a transitional clerkship that facilitates re-entry into

+ TOEFL or PTE Academic score  
+