

HEALTH OUTCOMES RESEARCH, PH.D. & MEDICINE, M.D. DUAL DEGREE

The M.D./Ph.D. in Health Outcome Research dual degree program is offered in collaboration with the School of Medicine.

This dual-degree in medicine and health outcomes research prepares students to be excellent doctors and clinical researchers.

Graduates leave prepared to provide excellent medical care and to evaluate patient outcomes and preferences, compare the effectiveness of treatments and establish evidence to improve the final stages of care.

Scholarships and Financial Aid

For more information, visit the student financial services office online at <http://finaid.slu.edu>.

Admission

Students must first be admitted to the School of Medicine to be considered for acceptance into the M.D./Ph.D. in health outcomes research program. Consideration for the program is available to all interested applicants to the School of Medicine with preliminary application provided upon request.

Most trainees are chosen in the early spring in order to begin their research training by mid-June before commencing their first year of M.D. studies in mid-August. Other qualified individuals may apply after beginning their M.D. training.

Applicants to the M.D./Ph.D. program are screened by the Steering Committee for the M.D./Ph.D. program.

Requirements

Students begin their program by completing the first and second years of their M.D. studies. By winter their second year of medicine studies, students will select a Ph.D. mentor from SLU's Center for Health Outcomes Research.

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 the third and fourth year of M.D. studies.

Nine credits from the M.D. program will count towards completion of the Ph.D. in health outcomes research.

Trainees in this program should complete all requirements for both degrees within seven to eight years and students are expected to complete both the M.D. and Ph.D. components on a full-time basis.

Course	Title	Credits
Year One		
A 0100	Introduction to Clinical Anatomy	6
MED 0101	Clinical Interviewing	1
IPT 0100	Principles of Immunology, Pharmacology, and Therapeutics	8
BMH 0100	Behavioral Medicine and Health	2
CMB 0100	Cell and Molecular Biology	7

EPI 0100	Epidemiology and Biostatistics	3
HCE 0100	Health Care Ethics	2
HEM 0100	Hematology	3
HQI 0101	Fundamentals of Patient Safety	1
MIM 0100	Introduction to Medical Information Management	1
NSCI 0100	Basic Clinical Neurosciences	7
PATH 0100	Introduction to Pathology	4
MD 0100	Professional and Personal Development I	4
Credits		49

Year Two

HQI 0201	Fundamentals of Quality Improvement	1
MED 0202	Clinical Diagnosis	1
MD 0202	Professional and Personal Development II	1
CARD 0200	Cardiovascular System	5
HCE 0201	Clinical Reasoning in Health Care Ethics	2
ENDR 0200	Endocrine and Reproductive System	4
GI 0200	Gastrointestinal System	4
RENL 0200	Renal Urinary System	4
RESP 0200	Respiratory System	5
SBJ 0200	Skin, Bone and Joint Module	3
RMED 0200	Research Methods	1
MD 0200	Special Study for Exams	0
Credits		31

Year Three

FCM 0301	Family Medicine Clerkship	6
IM 0301	Internal Medicine Clerkship	8
N 0301	Neurology Clerkship	4
OB 0301	Obstetrics, Gynecology, and Women's Health Clerkship	6
PED 0301	Pediatric Clerkship	8
PS 0301	Psychiatry Clerkship	4
S 0301	Surgery Clerkship	8
Career Exploration		4
APCS 0300	Applied Clinical Skills 3	1
FCM 0430	Inter-Professional Team Seminars	1
MD 0302	Caring with Compassion	1
Credits		51

Year Four

Subinternship		4
Ambulatory Internal Medicine		4
Emergency Medicine		2
Intramural/Extramural Electives		34
Capstone		2
Credits		46
Total Credits		177

Ph.D. Requirements

Code	Title	Credits
Required Courses		
ORES 5010	Introduction to Biostatistics for Health Outcomes	3
ORES 5160	Data Management	3

ORES 5300	Foundations of Outcomes Research I	3
ORES 5320	Scientific Writing and Communication	3
ORES 5430	Health Outcomes Measurement	3
ORES 5310	Foundations of Outcomes Research II	3
ORES 5150	Multivariate Analysis for Health Outcomes Research	4
ORES 6990	Dissertation Hours in Outcomes Research (taken over multiple semesters)	12

Elective Courses

Select three courses from the following:		9
ORES 5400	Pharmacoeconomics	
ORES 5410	Evaluation Sciences	
ORES 5560	R Programming	
ORES 5550	SAS Programming I	
ORES 5260	Pharmacoepidemiology	
ORES 5420	Clinical Trials Design and Analysis	
ORES 5440	Comparative Effectiveness Research	
HCE 6120	Bioethics and the Law	
ORES 6980	Advanced Graduate Readings in Outcomes Research	

Dual Degree Credit

9 credits accepted from the M1/M2 of the MD curriculum, as follows:		
Principles of Pharmacology		3
Fundamentals of Biomedical Science		3
Biostatistics		1
Elective in Clinical Research		1
Health Care Ethics		1
Total Credits		52

Continuation Standards

Students must maintain a cumulative grade point average (GPA) of 3.00 in all graduate/professional courses.