

2022 IPM Degree & Course Requirements

Ph.D.: 90 credit hours (22 core/8 elective; 30 research; 30 dissertation research)
 M.S. (Research Thesis Track): 45 credit hours (23 core; 13 research; 9 thesis research)
 Professional M.S. in Innovation: 32 core credit hours + capstone

CORE	ID	Course Title	Credit Hours
COGS	65101	Research Methods***	3
COGS	65301	Responsible Conduct of Research***	1
PEMD	60408	Statistical Methodology in the Biomedical Sciences***	3
PEMD	60401	Drug Discovery, Development & Approval**	3
PEMD	60402	IPM Seminar**	0.5
PEMD	65406	Intro to Pharmaceutical Sciences**	4
PEMD	60407	Molecular Pharmacology**	4
PEMD	60303	Research Writing for Scholarship*	2
PEMD	60414	Medical Device Development & Approval*	3
PEMD	60415	Advanced Medical Device Development & Commercialization*	3
PEMD	65400	Patient Care (required for MD-PhD)	0.5

* Required for PhD ** Required for MS (Thesis) *** Required for MS (Innovation)

ELECTIVES

General			
PEMD	60409	Cellular & Molecular Signaling	3
COGS	65095	Special Topics: Biomedical Microscopy and Imaging	2
PEMD	60405	Foundational Techniques in Biomedical Research	3
PELE	70024	Medical Cannabis Pharmacology	1
ANAP	65303	Human Anatomy & Physiology I/II	4 & 4
PELE	70029	System Biology 1: Metabolomics and Proteomics Technologies	1
Neuroscience			
MAS	60518	Neurobiology (Medical)	3
Cardiovascular & Metabolism			
MAS	60516	Cardiovascular, Pulmonary, and Renal Module	5
PEMD	60412	Stem Cell Biology and Tissue Regeneration	2
PEMD	60413	Molecular Cloning and Genetic Engineering	2