

MOLECULAR AND CELLULAR PATHOLOGY GRADUATE PROGRAM REQUIREMENTS

Rackham required credits: 36 fee hours for candidacy
68 fee hours overall
(up to 9 credit hours count as fee hours for Fall and Winter terms, up to 4 count for Spring and Summer terms)

Department Pre-candidate: 24 credit hours course work with B average

Preliminary exams: written and oral

Required for all first year PIBS students:

Fall Semester		
PIBS 501	“Interdisciplinary Topics”	1 credit
PIBS 600	“Research Rotation”	1-8 credits
Winter Semester		
PIBS 600	“Research Rotation”	1-8 credits

Required each term for pre-candidates:

Pathology 850	“Research Colloquium”	1 credit
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Didactic course requirements:

Pathology 581	“Cellular and Molecular Basis of Disease”	3 credits
Pathology 582	“Cellular and Molecular Basis of Disease II”	3 credits
Two of the following three courses required:		
Anat & Cell Biol 530	“Cell Biology”	3 credits
Human Genetics 541	“Gene Structure & Regulation”	3 credits
Biol Chem 550	“Protein Structures & Functions”	3 credits

Recommended didactic course:

Pathology 643 (Fall)	“Immunopathology of Disease”	1 credit
Pharm 502 (Winter)	“Introduction to Scientific Communication”	2 credits
Pathology 585 (Fall)	“Histopathology I” (first 7 ½ weeks)	2 credits
Pathology 586 (Fall)	“Histopathology II” (second 7 ½ weeks)	2 credits

Three individual lab rotations with at least two different mentors required:

Pathology 599	“Non-dissertation research”	1-8 credits
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(PIBS 600 rotations count toward fulfilling this requirement, although at least 1 of the 3 rotations must be with Pathology faculty)

Dissertation Research:

Pathology 990	“Pre-candidate Dissertation Research”	1-8 credits
Pathology 995	“Candidate Dissertation Research”	8 credits