

CANCER, DEVELOPMENTAL AND REGENERATIVE BIOLOGY – M.S., PH.D. COMPARISON

	Course Title	MS	PhD
Basic science core			
IBGS 501	Biomedical Communication and Integrity	2.0	2.0
IBGS 502	Biomedical Information and Statistics	2.0	2.0
IBGS 511	Cellular Mechanisms and Integrated Systems I	6.0	6.0
IBGS 512	Cellular Mechanisms and Integrated Systems II	6.0	6.0
IBGS 522	Cellular Mechanisms and Integrated Systems II Journal Club	2.0	2.0
IBGS 523	Cellular Mechanisms and Integrated Systems III Journal Club	2.0	2.0
IBGS 503	Biomedical Grant Writing		2.0
Totals		20.0	22.0

	Course Title	MS	PhD
Seminars			
IBGS 604	Introduction to Integrative Biology Presentation Seminar	1.0	1.0
IBGS 605	Integrative Biology Presentation Seminar (1)	1.0	2.0
IBGS 607	Integrated Biomedical Graduate Studies Seminar ¹		1.0
Totals		2.0	3.0

	Course Title	MS	PhD
Religion			
RELE ___	Graduate-level religion course		3.0
RELP ___	Graduate-level religion course		3.0
RELT ___	Graduate-level religion course		3.0
REL_ ___	Graduate-level religion course (RELE, RELR, or RELT)	3.0	
Totals		3.0	9.0

	Course Title	MS	PhD
Program specific courses			
	See M.S. and Ph.D. degree programs for choice of courses	12.0	12.0
BCHM 610	Cancer Journal Club		1.0
Totals		12.0	13.0

	Course Title	MS	PhD
MS degree completion options			
Required:		8.0	

Coursework track:

Electives (8 units)

Research track:

BCHM 697 Research

IBGS 698 Thesis (1-3 units)

Electives (0-2 units)

		8.0	
Totals		MS	PhD
PhD research/dissertation			
BCHM 697	Research (1-10)		12.0
IBGS 696	Research Rotations (1)		2.0
IBGS 699	Dissertation (1-5)		1.0
Totals			15.0
Overall Totals		45.0	62.0

¹ Registration and attendance required every quarter in residence, but units do not count toward total required for graduation.