

**Cancer Biology Plan of Work**  
(effective for students starting fall 2011 and beyond)

**Mandatory Coursework**

Number	Course Name	Credits
IBS 7010	Molecular Biology (Fall 1 <sup>st</sup> year)	5
IBS 7020	Cell Biology (Fall 1 <sup>st</sup> year)	5
IBS 70??	IBS Elective (Winter 1 <sup>st</sup> year)	2
IBS 70??	IBS Elective (Winter 1 <sup>st</sup> year)	2
CB7210	Fundamentals of Cancer Biology (Winter 1 <sup>st</sup> year)	3
CB7990	Research Technologies (Winter 1 <sup>st</sup> year)	1
CB7130	Clinical aspects of Cancer Biology (S/S 1 <sup>st</sup> year)	1
CB7700	Recent Developments in CB (every Fall and Winter until all taken)	6
CB7890	Seminars in CB (every Fall and Winter until all 6 are taken)	6
BMS 6010	Ethics (offered in S/S)	1

**Mandatory Research Credits**

CB7710	Individual Studies (Lab Rotations – 3 Required)	3
CB7996	Research	15
CB9991	Candidate status I	7.5
CB7992	Candidate status II	7.5
CB9993	Candidate status III	7.5
CB9994	Candidate status IV	7.5

**Mandatory CB Electives (ONE from each pair is required)**

*Pair	Course	Course Name	Fall	Winter	Credits
1	CB7600	Applied Cancer Biostatistics	Even		2
	CB7430	Cancer Epidemiology		Odd	2
2	CB7460	Mechanisms of Neoplasia: Signaling	Even		3
	**CB7220	Molecular Biology of Cancer Development	Odd		3
3	**CB7240	Cancer Chemotherapy		Even	2
	**CB7410	Current Trends in Immunology (T cell biology and immunotherapy)		Odd	3

\*A minimum of one from each pair is required.

\*\*CB7220 and CB7240 crosslisted with PHC7220 and PHC7240, respectively. \*CB7410 crosslisted with IM7450.

**Optional**

MBG 7091	Scientific Communication II (Grant writing course)	Winter Semester (every year)	2 credits
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90 credits minimum required to graduate. 3 rotations mandatory (CB7710)

IBS courses 7010, 7020, 70??, 70?? = 14 cr (?? 2 electives required)

Fundamentals of Cancer Biology (3), Clinical aspects (1), Ethics (1) = 5 cr

Research CB9991-9994, CB7996, CB7710 = 48 cr

Recent developments in CB, Seminar = 12 cr

CB Electives (at least one course from each of the three pairs is required)

Paired courses: Biostatistics/Cancer Epidemiology = 2 credits each.

Molecular Biology of Cancer Dev/Cell Signaling = 3 cr each

Cancer Chemotherapy/Current Trends in Immunol = 2 or 3 cr

Grant writing course = 2 cr