CANC 8214. Cancer Biology Seminar. 1 Credit.
Current and emerging topics with presentations and discussions facilitated by leading experts from GW and outside institution; student-led journal club and oral presentation opportunities. Prerequisites: BMSC 8210 and BMSC 8212.

CANC 8221. The Basic Science of Oncology. 3 Credits.
Epidemiology, genetics, viruses, oncogenes, chemical carcinogenesis, radiation carcinogenesis, tumor growth, metastasis, biochemistry of cancer cells, tumor markers, hormones and cancer, cancer immunobiology, radiotherapy, and chemotherapy and immunotherapy. Prerequisites: BMSC 8210, BMSC 8212 and BMSC 8230.

CANC 8222. Molecular Oncology and Cancer Epigenetics. 3 Credits.
Topics in molecular oncology, including epidemiology, genetics and epigenetics, carcinogenesis, tumor growth and metastasis, biochemistry of cancer cells, tumor markers, hormones and cancer, cancer immunobiology, radiotherapy, chemotherapy, and immunotherapy. Prerequisites: BMSC 8210 and BMSC 8212.

CANC 8998. Advanced Reading and Research. 1-12 Credits.
Restricted to doctoral candidates preparing for the qualifying examination. May be repeated for credit.

CANC 8999. Dissertation Research. 3-12 Credits.
May be repeated for credit. Restricted to IBS students.