

CANCER BIOLOGY (M.S.)

The MS program in Cancer Biology offers a strong didactic and laboratory curriculum in cancer biology with a major focus on molecular oncology. Our goal is to provide intensive research training for students who are interested in a career in academia, medicine, industry, or related careers in which first-hand research experience is an asset. Research interests in the Department of Oncology are diverse and dynamic, allowing students to choose from a broad spectrum of topics for their research thesis. Students are encouraged to attend weekly departmental seminars, Grand Rounds presentations and annual symposia. These regular interactions between students and faculty help our students develop oral communication and collaboration skills for future success.

Admission Requirements

Admission to the MS program is contingent upon admission to the Graduate School (<http://bulletins.wayne.edu/graduate/general-information/admission/>) and the graduate programs of the School of Medicine (<http://bulletins.wayne.edu/graduate/school-medicine/programs/>). Qualified applicants must have a BS or BA degree from an accredited college or university, preferably with a major in biology, chemistry, physics, or a closely related discipline. A complete application includes the basic application form, personal statement, official transcripts from previous institutions, and three letters of reference.

International students must be proficient in English as determined by satisfactory performance on the Test of English as a Foreign Language (TOEFL) examination. TOEFL scores should be reported to Wayne State University using institution code 1898. Applications must be submitted online by April 1st. Graduate School Admissions policies can be found at the Office of Graduate Admissions (<https://gradschool.wayne.edu/admissions/>).

Contact Information

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The master's degree in Cancer Biology is offered under Plan A only. A minimum of 30 credits, eight of which must be from thesis research, and the completion of an original research project are required to receive a MS degree. The coursework includes 17 credits of compulsory courses and 5 credits of elective courses (listed below). A minimum GPA of 3.0 must be maintained throughout the MS program. Students should select an advisor and committee as early as possible in the second semester of year 1 to begin full time thesis research. Students should strive to publish one peer-reviewed paper as first or second author to demonstrate the quality of their research.

Code	Title	Credits
Required Courses		
MGG 7010	Molecular Biology and Genetics	4
BIO 6000	Molecular Cell Biology I	3
CB 7210	Fundamentals of Cancer Biology	3
CB 7500	Introduction to Cancer Biostatistics	2
CB 7510	Journal Club/Seminar (Max. of 2 credits over the course of the program.)	2
CB 7710	Individual Studies in Cancer Biology	2

CB 7800	Rigor and Reproducibility in Cancer Biology	1
Elective Courses		
Select 5 credits from the following:		5
CB 7300	Special Topics in Cancer Biology	
PHC 7650	Advanced Topics in Pharmacology	
PSL 7880	Special Problems in Physiology	
Thesis course		
CB 8999	Master's Thesis Research and Direction	8
Total Credits		30