

STEM CELL BIOLOGY GRADUATE MINOR

VTBMS/TOX Mouse and Stem Cell Pathology
7010

Graduate School

Program Website (<https://www.stemcell.cornell.edu/scp-gradminor.cfm>)

Program Description

Graduate students from any discipline at Cornell are invited to enroll in the Graduate Minor in Stem Cell Biology. The minor gives students across the university the opportunity to take advantage of the wide variety of stem cell biology research offered by Cornell faculty. This minor graduate field is intended to provide both broad and specific training in the rapidly developing areas of stem cell biology and regenerative medicine. A series of courses will be offered that cover areas relevant to stem cell biology, such as deriving, maintaining and selectively differentiating embryonic and adult stem cells and reprogrammed pluripotent cells, recreating the temporal and spatial environment encountered in developing and adult tissues, and understanding the relevance of fundamental processes governing the control of stem cells to diseases such as cancer. In some cases, one of the courses will be waived in consideration of the applicant's experience and major field coursework.

Upon successful completion of the required classes, the Stem Cell Biology Concentration will appear on the student's official Cornell transcript.

This is a minor field. Application for admission is made only to the major fields. After matriculation, a student may select minor subjects from the major or minor fields.

Graduate Minor Requirements

- The minor is fulfilled with a minimum of three courses, totaling at least 5 credit hours.
- Students take at least 2 core courses. The third course can be core or elective.
- A minimum 3.0 GPA is required in the coursework completed for the minor.
- Students must have a member of the Minor Graduate Field in Stem Cell Biology appointed as a member of their committee.

Code	Title	Hours
Core Courses		
Interested students will take at least two of the following core courses:		3-6
BME 6110	Stem Cell Bioengineering	
BIOMG 4450	Stem Cells and Regeneration	
BIOMS 7900	Seminars in Stem Cell Research	
Elective Courses		
Other courses that qualify to meet the (minimum) three#course requirement for a graduate minor in Stem Cell Biology:		3
BME/VTBMS 6501	Natural Engineering: Developmental Biology Paradigms for Regenerative Medicine	
BME 6650	Principles of Tissue Engineering	
BME 5850	Current Practice in Tissue Engineering	
BIOMG 7800/7940		