

MASTER OF BIOLOGY

The professional Master of Biology is a course-only, professional master's degree program designed for professionals who seek advanced and specialized study in the field without the requirement of a thesis or project.

This program is also available on the web, and at televised viewing sites throughout the Chicago area. Students should consult online.iit.edu for more information.

Curriculum

Students must pass the written comprehensive examination (see Departmental Graduate Examinations) in their respective areas of specialization: biochemistry, cell and molecular biology, or microbiology. Students in biotechnology may choose any of the three examinations.

Code	Title	Credit Hours
Required Courses		(9-10)
CHEM 513	Chemometrics & Statistics	3
COM 421	Technical Communication	3
or COM 523	Communicating Science	
or SCI 522	Public Engagement Scientists	
SCI 511	Project Management	2-3
or INTM 511	Industrial Leadership	
or BIOL 524	Sci & Law: Intro IP Law/Patent	
BIOL 595	Biology Colloquium	1
Specialization Courses		(12)
Select 12 credit hours appropriate to specialization ¹		12
Elective Courses		(8-9)
Select eight to nine credit hours from the following courses:		8-9
BIOL 410	Medical Microbiology	3
BIOL 426	Concepts of Cancer Biology	3
BIOL 430	Human Physiology	3
BIOL 503	Virology	3
BIOL 514	Toxicology	3
BIOL 520	Laboratory Rotation	3
BIOL 526	Developmental Biology	3
BIOL 527	Immunology and Immunochemistry	3
BIOL 542	Advanced Microbiology	3
BIOL 545	Advanced Cell Biology	3
BIOL 550	Bioinformatics	3
BIOL 555	Macromolecular Structure	3
BIOL 562	Curr Topics in Functl Genomics	3
BIOL 597	Special Problems ²	1-3

Minimum degree credits required: 30

¹ Courses required for each specialization are listed below.

² Student may be approved for special problems as appropriate.

Specializations

Biochemistry

Code	Title	Credit Hours
BIOL 504	Biochemistry	3
BIOL 512	Advanced Biochemistry	3
BIOL 515	Molecular Biology	3
BIOL 544	Molecular Biology of Cells	3
Total Credit Hours		12

Biotechnology

Code	Title	Credit Hours
BIOL 504	Biochemistry	3
BIOL 515	Molecular Biology	3
BIOL 544	Molecular Biology of Cells	3
BIOL 562	Curr Topics in Functl Genomics	3
Total Credit Hours		12

Cell and Molecular Biology

Code	Title	Credit Hours
BIOL 504	Biochemistry	3
BIOL 515	Molecular Biology	3
BIOL 526	Developmental Biology	3
BIOL 544	Molecular Biology of Cells	3
Total Credit Hours		12

Microbiology

Code	Title	Credit Hours
BIOL 504	Biochemistry	3
BIOL 515	Molecular Biology	3
BIOL 542	Advanced Microbiology	3
BIOL 544	Molecular Biology of Cells	3
Total Credit Hours		12