

# CELL & DEVELOPMENTAL BIOLOGY (MS)

Code	Title	Credits
GC 621	Biotechnology Venture Mgmt	
GC 635	Intro to Clin Trials Mgmt	
GC 636	PrinCarMgmt-DiverseBMCareers	
<b>Total Credits</b>		<b>37-56</b>

## Contacts

**Program Director:** Aleksandra Snyder, PhD

**Email:** Aleksandra.Snyder@jefferson.edu  
215-503-1573

**Campus:** Center City

Program Website (<https://www.jefferson.edu/academics/colleges-schools-institutes/life-sciences/degrees-programs/master-programs/cell-developmental-biology.html>)

## Program Description

This program consists of a core basic science curriculum in cell and developmental biology, supplemented with elective courses suited to individual career interests in the basic sciences or in management. Students in our program receive training in theoretical, experimental and practical aspects of normal cell development as well as abnormal aspects of these processes, which may cause birth defects or disease.

## Learning Goals/Outcomes

- Prepares its graduates for positions in research and development in academia, industry and government
- Graduates may be employed as basic research scientists in academic institutions and industrial positions, or may go on to further study in PhD and professional doctoral programs.
- Graduates of the program have been accepted into PhD and professional doctoral programs.

## Curriculum: 1.5- 4 Years, 40 Credits

- Full-Time and Part-Time options

Code	Title	Credits
<b>Core Courses</b>		
BI 550	Topics-Medical Biochem	3
GC 660	Statistical Methods	3
CB 615	Devel. Biol I-Embryology	3
CB 560	Principles of Cell Biology	3
CB 635	GeneEnv Intractns BirthDef&Dis	3
BI 870	Research - MSBS	1-6
BI 880	Master's Research-BI	1-6
BI 890	Research - MSBS	1-6
Designated Electives		15-17
<b>Management Courses</b>		
Select two of the following:		4-6
GC 510	Database Design & Mgmt	
GC 525	Information Systems Management	
GC 600	Managerial and Teamwork Skills	
GC 605	Performance Improvement	
GC 610	Strategic Management	
GC 617	ManagPharm DrugDevelopProjects	
GC 620	Fund of Fin Mgmt.	