

# Genetics and Developmental Biology, Ph.D.

A candidate for the Ph.D. degree in Genetics and Developmental Biology must meet all University, College, Division, and Program requirements as outlined in the WVU Graduate catalog.

## Program Requirements

All Ph.D. degree candidates are required to follow a planned program of study. The student develops the plan of study during their first year in the program in conjunction with the graduate committee. The plan must be approved by the Director of the Division and the Associate Dean for Academic Affairs of the Davis College. Students are expected to maintain at least a 3.0 (B) grade point average in all work offered in fulfillment of the degree program. For a more complete statement of requirements, the student is referred to the program's Guidelines for Graduate Students in the Genetics and Developmental Biology Program.

Code	Title	Hours
A minimum cumulative GPA of 3.0 is required in all courses applied toward degree requirements.		
Course Requirements as determined by the Plan of Study		
<b>Seminar</b> *		<b>5</b>
GEN 796	Graduate Seminar	
<b>Research</b>		<b>6</b>
GEN 797	Research	
Candidacy Exam		
Dissertation		
Dissertation Defense		
Total Hours		11

\*

A student must be enrolled in Seminar all semesters in residence.

## Major Learning Outcomes

### GENETICS AND DEVELOPMENT BIOLOGY

- Students will acquire fundamental knowledge of genetics and associated fields such as biochemistry, chemistry, and biology.
- Students will acquire detailed knowledge of their particular subdiscipline or research area, including the scientific literature fundamental to their discipline and the ability to stay current on scientific literature.
- Students will acquire technical skills in the laboratory.
- Students will develop the ability to communicate in writing and orally about scientific concepts and the results of their research.
- Student will develop the ability to design, conduct, and interpret the results of experiments.