



Interdisciplinary Plant Group
University of Missouri

IPG Core Curriculum

Although not a degree-granting program, the IPG does provide a Core Curriculum for incoming graduate students. The courses that comprise the IPG Core Curriculum are designed and taught by IPG faculty.

The goal of the first-year of courses is to provide students with an introductory study of plant biology, from the molecular and cellular levels to the whole plant and ecological levels. In the spring of the first year and in the second year, advanced courses are provided in more specialty areas, but interdisciplinary learning is still encouraged.

The goal of the curriculum is to provide graduate students, no matter their home department, with a basic and interdisciplinary understanding of plant biology. Students are encouraged to see interconnections between fields and to think broadly before they become embedded in their specific discipline. It is also designed to provide graduate students with a collegial and interdisciplinary support network of others studying plant biology.

First-Year Courses

Semester	Course Name	Course No.	Credit Hour
Fall	Advanced Plant Genetics	BIO_SC 8300	3
Fall	Plant Physiology	BIO_SC & PLNT_S 4320/7320	3
Fall	Professionalism and Ethics or Professional Survival Skills	PLNT_S 8010 BIO_SC 8050	2 2
Fall	Applications of Bioinformatics Tools in Biological Research	INFOINST 8005	3
Fall	Rotation/Research		1
Spring	Introduction to Plant Stress Biology*	PLNT_S 8505 / BIO_SC 8505	2
Spring	Ethical Conduct of Research	BIO_SC 8060	1
Spring	Rotation/Research		1

*Taught in half-semester blocks