

**Plant Biology Graduate Group
Advising Checklist - Cell and Developmental Biology**

Student: _____ Entry Date: _____

Major Professor: _____ Phone #: _____

Academic Adviser: _____ Guidance Committee Member: _____

Undergraduate Preparation:

- ___ Introductory Biology, 3-Qtrs/2-Sem
- ___ Inorganic Chemistry, 3-Qtrs/2-Sem
- ___ Organic Chemistry, 2-Qtrs/2-Sem
- ___ Introductory Physics, 2-Qtrs/2-Sem
- ___ Biochemistry, 2-Qtrs/1-Sem
- ___ Calculus, 2-Qtrs/1-Sem
- ___ Introductory Statistics, 1-Qtr/1-Sem
- ___ Genetics, 1-Qtr/1-Sem
- ___ Intro. Plant Physiology 1-Qtr/1-Sem
- ___ Cell & Mol. Biology, 1-Qtr/1-Sem
- ___ Ecol., Systematics & Evolution, 1-Qtr/1-Sem
- ___ Plant Development & Structure, 1-Qtr/1-Sem

UCD Equivalent:

- BIS 2A, 2B, and 2C
- Chemistry 2A, 2B, and 2C
- Chemistry 8A and 8B
- Physics 7A and 7B
- BIS 102 and BIS 103
- Mathematics (MAT) 16A and 16B
- Statistics (STA) 100 or PLS 120
- BIS 101
- PLB 111 or PLB 112
- PLB 113 or BIS 104
- EVE 100, 140 or 141 or PLB 108, or 117
- PLB 105 or PLB 116

Core and breadth requirements:

- ___ Plant Biology 200A, 200B, 200C – Core courses for PBGG taken during the first year
- ___ Plant Biology 292 – First year student journal club – taken every quarter offered during the first year
- ___ Plant Biology 290B – Friday afternoon listening seminar – taken every quarter during the first two years
- ___ Plant Biology 291 – Tuesday afternoon listening seminar – taken F/W/S of first year, W/S of second year
- ___ Plant Biology 290A -- Seminar discussion course – taken every quarter during the second year

Specialization requirements (at least 2 courses at the graduate level):

M.S. Plan I: Minimum of two courses (totaling at least 6 units) from list below:

M.S. Plan II: Minimum of three courses (at least 9 units) from list below:

Ph.D.: Either three courses from the list below OR two courses from the list below and one course from another area of specialization approved by the guidance committee (courses total at least 9 units)

EVE 210: Molecular Phylogenetic Analysis (F, O, 3)	MCB 213: Developmental Biology (W, 3)
GGG 201A: Advanced Genetic Analysis (F, 5)	MCB 255: Molecular Mechanisms in Pattern Formation & Development (F, E, 3)
GGG 201B: Comparative and Functional Genomics (F, 5)	PBI 220: Plant Development (W, O, 4)
GGG 201C: Molecular Genetics (S, 4)	PBI 227: Plant Molecular Biology (W, E, 4)
GGG 210: Horizontal Gene Transfer (F, 3)	PLP 210 Biochemistry & Molecular Biology of Plant-Microbe Interaction (W, 4)
MCB 212: Cell Biology (W, 3)	VEN 210: Grape Development & Composition (S, O, 4)

Key: Course in bold is offered every other year with E and O designating odd or even quarter when taught. F, W, S= Fall, winter and spring quarter when course offered. Number indicates unit value of course.

Other courses may be substituted with the approval of the guidance committee/academic adviser.