Check List
Cellular and Molecular Biology Major
(S22)

Overall:
8.5 cr. in Biology + CHEM120 + 3 courses (1 cr.) in Mathematics/Computer Science

Core Courses:

- ☐ BIO101
- ☐ BIO102
- ☐ BIO241 or BIO250
- ☐ BIO315
- ☐ BIO450 or 0.5 cr. BIO490A
- ☐ CHEM120

Elective courses (4 x 1 cr. courses):

- ☐ **2 courses** from Group 1: BIO241, BIO250, BIO314, BIO320, BIO 325, BIO361, BIO381, BIO385, BIO415, BIO490 (1cr. In CMB area)
  Comments:_____
- ☐ **1 course** from Group 2: BIO230, BIO285, BIO334, BIO335, BIO382
  Comments:_____
- ☐ **1** additional **BIO elective**
  _____

3 courses chosen from the following Computer Science and Math courses:
CSC121, CSC122, CSC232, CSC233, MATH123, MATH141, MATH151, MATH251, MATH341

Semester Research for Credit:

- ☐ BIO490 (can be taken for **0.25, 0.5 or 1 cr. each semester**; up to 1 cr. counts towards the elective course credits; an additional 0.5 cr. during senior year counts towards the core course credits; any additional credits count towards DePauw course credits)

DePauw Graduation Requirements
(AH, SM, & SS from different departments each)

- ☐ Arts & Humanities 1 (1 cr.)
- ☐ Arts & Humanities 2 (1 cr.)
- ☐ Science & Math 1 (1 cr.)
- ☐ Science & Math 2 (1 cr.)
- ☐ Social Science 1 (1 cr.)
- ☐ Social Science 2 (1 cr.)
- ☐ Language 1 (1 cr.)
- ☐ Language 2 (1 cr.)
- ☐ Global Learning (1 cr.)
- ☐ Power, Privilege, and Diversity (1 cr.)

Competence:

- ☐ W (end of sophomore year)
- ☐ Q (end of Junior year)
- ☐ S (end of senior year)

Extended Studies (WT/MT):

- ☐ Course 1 or Internship 1
- ☐ Course 2 or Internship 2

Credits Total:

_____
_____
_____
_____
_____
_____

Course numbers and titles

BIO101 Molecules, Genes and Cells w/lab
BIO102 Evolution, Organisms and Ecology w/lab
BIO190 Topics

BIO230 Plant Biology w/lab
BIO234 Evolutionary Developmental Biology
BIO241 Intermediate Cellular Biology w/lab
BIO250 Microbiology w/lab
BIO235 Organismal Biology
BIO285 Biodiversity
BIO290 Topics
BIO314 Biochemistry and Cellular Biology w/lab
BIO315 Molecular Biology w/lab
BIO320 Genetics w/lab
BIO325 Bioinformatics w/lab
BIO334 Developmental Biology w/lab
BIO335 Animal Physiology w/lab
BIO342 Ecology w/lab
BIO344 Ecological and Evolutionary Genetics w/lab
BIO345 Conservation Biology w/lab
BIO346 Plant Animal Interactions w/lab
BIO348 Behavioral Ecology w/lab
BIO361 Immunology
BIO381 Cell Signaling
BIO382 Neurobiology
BIO385 Molecular Neurobiology
BIO390 Topics
BIO415 Molecular Genetics & Genomics
BIO450 Senior Seminar
BIO490 Independent Study

CHEM120 Structure and Properties of Organic Molecules w/lab
CHEM240 Structure and Function of Biomolecules w/lab
CHEM 260 Thermodynamics, Equilibrium and Kinetics,
CSC121 Computer Science I
GEOS 110 Earth and the Environment
PHYS120 Principles of Physics I w/lab

CSC121 Computer Science I
CSC122 Data Structures
CSC232 Object oriented Software Development
CSC233 Foundations of Computation
MATH123 Discrete Math
MATH141 Statistics for Professionals
MATH151 Calculus I
MATH251 Calculus II
MATH341 Statistical Model Analysis