5A. Cognate Sciences Core (31-33 hours)
Chemistry Placement Test: CHM1025 Intro to Chemistry __ 2
CHM 2045C Chemistry Fundamentals I __ 4
CHM 2046 Chemistry Fundamentals II __ 3
CHM 2046L Chemistry Fundamentals Lab __ 1
CHM 2210 CHM 2205 3/5
CHM 2211 or CHM 3120 3/3
CHM 2211L CHM 3120L 2/1
PHY 2053C (or +L) or PHY 2048C (or +L) 4/3+1
PHY 2054C (or +L) or PHY 2049C (or +L) 4/3+1
Math Placement Test: MAC1105 __ MAC1144, MAC 1140 __
MAC 2311 or MAC 2233 or MAC 2253 Calculus __ 4
STA 2023 Statistical Methods I __ 3

5B. Lab requirement- Two labs
At least one of these labs must come from section A - Core.

A - Core:
- PCB 3044L - Ecology lab __
- PCB 3063L - Genetics lab __
- PCB 4683L - Evolutionary Biology Laboratory __

B - Non-Core: designated with †

6. 22 hours of restricted electives are required, with following stipulations: ____________ of 22 hours RE GPA

- Courses must be selected from those listed below.
- Include one course exclusively on animals (marked a) __ and one
everyone on plants (marked p) __
- At least 10 of the 22 hours must be courses offered by the Department of
Biology (designated with an *), __ of 10
- Independent Study/Directed Research: May include a maximum of 4hrs
towards restricted electives. (Completed with Biology Faculty)
- 5000 level courses may be taken by seniors with prior permission of
course instructor. You will be charged graduate level tuition.

Required Electives Choose at least two from the following (9-10hrs)

a. BCH 4053 Biochemistry I OR BCH 4024 Medical Biochemistry __ 4
b. PCB 4514* Genetics II __ 3
c. PCB 4723* Animal Physiology __ 4
d. a ZOO 3713C* Comp Vert Anat __ 5
e. a ZOO 4603C* Embryology/Development __ 5
f. **Classes that satisfy the Required Electives cannot duplicate towards this
section. Any Required Electives taken in excess of 9-10 hours will count here.

Restricted Electives (choose from following (5-6 hrs)

- BCH 4024 Medical Biochemistry __ 4
- BCH 4053 Biochemistry I __ 3
- BCH 4054 Biochemistry II __ 3
- p. BOT 4850* Medical Pathology __ 3
- p. MCB 3020C Gen Microbiology __ 3
- p. PCB 3233 Immunology __ 3
- p. PCB 3522 Molec Bio I __ 3
- p. PCB 3703C Human Physiology __ 4
- p. PCB 4514* Genetics II __ 3
- p. PCB 4678* Evolution in Medicine __ 3
- a. PCB 4723* Animal Physiology __ 4
- a. ZOO 3713C* Comp Vert Anat __ 5
- ZOO 3733C Human Anatomy __ 4
- a. ZOO 4205C* Bio and Eco Meta Inv __ 4
- a. ZOO 4513* Animal Behavior __ 3
- a. ZOO 4603C* Embryology/Development __ 5
- a. ZOO 4756C* Comp Vert Histology __ 4
- a. ZOO 4756C* Comp Vert Histology __ 4

Adviser __________________________ Date _______________

Additional Biology Electives: (6-8 hours)
a. ANT 3550C Primatology ___ 3
b. BCH 4024 Medical Biochemistry ___ 4
c. BCH 4053 Biochemistry I ___ 3
d. BCH 4060 Principles of Plant Science ___ 4
e. p. BOT 3018C* Culinary Botany ___ 4
f. p. BOT 3802* Ethnobotany ___ 4
g. p. BOT 4223C* Plant Anatomy ___ 4
h. p. BOT 4282C* Plant Microtechniques ___ 4
i. p. BOT 4303C* Plant Kingdom ___ 4
j. p. BOT 4403C* Biology of Fungi ___ 4
k. p. BOT 4503C* Plant Physiology ___ 4
l. p. BOT 4530C* Plant Genetics and Biochem ___ 4
m. p. BOT 4713C* Plant Taxonomy ___ 4
n. p. BOT 4850* Medical Botany ___ 3
o. p. BOT 4970H Honors Undergrad Thesis ___ 3
p. p. BOT 4922* Plant Science Capstone ___ 2
q. p. BSC 3952* Conservation Biol ___ 3
r. p. BSC 3312* Princ Marine Biol ___ 3
s. p. BSC 412C* Adv Marine Biol ___ 4
s. p. BSC 3453* Bio Res. Meth & Exp Design ___

Math Placement Test: MAC1105 __ MAC1144, MAC 1140 __
MAC 2311 or MAC 2233 or MAC 2253 Calculus __ 4
STA 2023 Statistical Methods I __ 3

Name _________________________________

UCFID ________________________________

1. State General Education Core
- Communication Foundation: ENC 110
- Mathematical Foundation: MAC1105C, MAC2311C, MGF1106, MGF1107, STA2023
- Science Foundation: CHM 2045C, BSC 2010C

2. General Education Program (36 Hours)
[See COSAS for assistance with GEP planning]
- Communication Foundations
  - ENC 1101 - Communication I
  - ENC 1102 - Communication II
  - SPC 1603C - Fundamentals of Technical Presentations
- Cultural & Historical Foundations
  - Mathematical Foundations
    - Mathematics
    - MAC 2311C - Calculus with Analytic Geometry I
    - Statistics
      - STA 2023 - Statistical Methods I
- Social Foundations
  - Science Foundations
    - BSC 2010C - Biology I
    - CHM 2045C - Chemistry Fundamentals I

3. University Requirements
- 9 hours of summer enrollment (total) in academic career: ___ of 9
- At least 2.0 needed: UCF GPA __ Major GPA __
- 48 hours 3xxx-4xxx level – 35 Biology requires = 13 hours left (to be satisfied with free electives or minor) ___ of 13

4. Major Requirements
- A minimum of 2.0 in all UCF courses taken in common program electives, Biology core, and upper division restricted electives.
- A minimum of a C (2.0) in all Biology offered Core Classes and
  Required Electives is required for graduation.
- Exit Exam- to be completed upon completion of Biology core courses
- Departmental Residency Requirement: ___ of 22
- 22 hours of regularly scheduled upper division courses must be taken in the UCF Biology Department.

5. Biology core courses (21 hours)
- BSC 2010C Gen Biology __ 4
- BSC 2010C Gen Biology __ 4
- PCB 3025 Molec Cell Biol __ 3
- PCB 3044 Ecology __ 3
- PCB 3063 Genetics __ 3
- PCB 4683 Evolutionary Biology __ 4
- Note: If all requirements are satisfied on the road map, your major is satisfied. Please consult with COSAS for a final graduation check on all university requirements.

- PCB 3025 Molec Cell Biol __ 3
- PCB 3044 Ecology __ 3
- PCB 3063 Genetics __ 3
- PCB 4683 Evolutionary Biology __ 4

- PCB 3025 Molec Cell Biol __ 3
- PCB 3044 Ecology __ 3
- PCB 3063 Genetics __ 3
- PCB 4683 Evolutionary Biology __ 4