1. State General Education Core
- Communication Foundation: ENC 110
- Mathematical Foundation: MAC 1105C, MAC 2311C, MGF 1106, MGF 1107, STA 2023
- Science Foundation: CHM 2045C, BSC 2010C

2. General Education Program (36 Hours)
[See COSAS for assistance with GEP planning]

Communication Foundations
- ENC 1101 - Composition I
- ENC 1102 - Composition II
- SPC 1603C - Fundamentals of Technical Presentations

Cultural & Historical Foundations
- Mathematical Foundations
- MAC 2311C - Calculus with Analytic Geometry I

Statistics
- STA 2023 - Statistical Methods I

Social Foundations
- BSC 2010C - Biology I
- CHM 2045C - Chemistry Fundamentals I

3. University Requirements
- 9 hours of summer enrollment (total) in academic career.
- At least 2.0 needed: ______________UCF GPA ____________ Major GPA
- 42 hours 3xxx-4xxx level – 35 Biology requires = 7 hours left (to be satisfied with free electives or minor) ______ of 7

4. Major Requirements
- A minimum of 2.0 in all UCF courses taken in common program prerequisites, 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 201 Biology 2 4
- PCB 3025 Molec Cell Bio 3
- PCB 3044 Ecology 3
- PCB 3063 Genetics 3
- PCB 4683 Evolutionary Biology 4

Pre-Professional Biology Track
Catalog Year: Fall 2021 and On

5A. Cognate Sciences Core (31-33 hours)

Chemistry Placement Test: CHM 1025
- CHM 2045C 4
- CHM 2046 3
- CHM 2046L 1
- CHM 2210 CHM 2205 3\3/
- 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: MAC 1105__ MAC 1114__ MAC 1140__
- MAC 2311 or MAC 2233 or MAC 2253 4__3

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

A - Core:
- PCB 3044L - Ecology Lab 1
- PCB 3063L - Genetics lab ____________4
- PCB 4683L - Evolutionary Biology Lab 1

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) ____________4
- Include one course exclusively 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)
- BCH 4053 Biochemistry 1 3
- OR BCH 4024 Medical Biochemistry 4
- PCB 4514* Genetics II 3
- a PCB 4723* Animal Physiology 4
- a ZOO 3713C* Comp Vert Anat 5
- a ZOO 4603C* Embryology/Development 5

Restricted Electives (choose from following) (5-6 hrs)
- BCH 4024 Medical Biochemistry 4
- BCH 4053 Biochemistry 1 3
- BCH 4054 Biochemistry 2 3
- p. BOT 4850* Medical Botany 3
- MCB 3020C Gen Microbiology 5
- PCB 3233 Immunology 3
- PCB 3522 Molec Bio 1 3
- PCB 3703C Human Physiology 4
- PCB 4514* Genetics II 3
- a PCB 4723* Animal Physiology 4
- a ZOO 3713C* Comp Vert Anat 5
- a 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

Additional Biology Electives: (6-8 hours)

Pre-Professional Biology Track
Catalog Year: Fall 2021 and On

5A. Cognate Sciences Core (31-33 hours)

Chemistry Placement Test: CHM 1025
- CHM 2045C 4
- CHM 2046 3
- CHM 2046L 1
- CHM 2210 CHM 2205 3\3/
- 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: MAC 1105__ MAC 1114__ MAC 1140__
- MAC 2311 or MAC 2233 or MAC 2253 4__3

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

A - Core:
- PCB 3044L - Ecology Lab 1
- PCB 3063L - Genetics lab ____________4
- PCB 4683L - Evolutionary Biology Lab 1

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) ____________4
- Include one course exclusively 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.

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- BCH 4024 Medical Biochemistry 4
- BCH 4053 Biochemistry 1 3
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- p. BOT 4850* Medical Botany 3
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- PCB 3233 Immunology 3
- PCB 3522 Molec Bio 1 3
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- a 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

Additional Biology Electives: (6-8 hours)

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.