I. **University Requirements**
   - UCF General Education Program
   - 120 Total Credit Hours
   - 42 Upper Level Credit Hours
   *Refer to your degree audit to ensure all University requirements are Satisfied

II. **Pending Requirements**
To transition out of “Pending” status, students must earn a “C” or better in these courses or their equivalents:
   - BSC 2010C    Biology I       4 hrs
   - CHM 2045C   Chemistry Fundamentals I*  4 hrs
     *Prerequisites: Passing Score on Chemistry Placement Exam or CHM 1025
   - CHM 2046    Chemistry Fundamentals II   3 hrs
   - CHM 2210    Organic Chemistry I       3 hrs

III. **Major Requirements**
   - Students must maintain a 3.2 Science GPA to graduate with this degree.

A. **Core Curriculum**
   **Life Sciences**
   - BSC 2011C   Biology II              4 hrs
   - PCB 3233 -OR- PCB 4280 Immunology or Molecular Immunology  3 hrs
   - PCB 3233L  Immunology Lab          1 hr
   - MCB 3020C  General Microbiology    5 hrs
   - BSC 3403C  Quantitative Biological Methods  4 hrs
   - PCB 3522  Molecular Biology I       3 hrs
   - PCB 4524  Molecular Biology II      3 hrs
   - MCB 4224  Molecular Biology of Diseases  3 hrs
   - PCB 4843  Cellular and Molecular Neuroscience  3 hrs
   - ZOO 3744  Neurobiology              3 hrs
   - ZOO 4743C Clinical Neuroanatomy and Neuroscience  4 hrs

   **Chemistry**
   - CHM 2046L Chemistry Fundamentals Lab  1 hr
   - CHM 2211  Organic Chemistry II       3 hrs
   - CHM 2211L Organic Laboratory Techniques I  2 hrs
   - BCH 4053 -OR- BCH 4024 Biochemistry I or Medical Biochemistry  3 hrs/4 hrs

   **Math**
   - MAC 2311C Calculus with Analytic Geometry I*  4 hrs
     *Prerequisites: MAT 1033C, MAC 1105C, MAC 1114C, MAC 1140C
   - STA 2023 Statistical Methods I  3 hrs

   **Physics**
   Select One Sequence:
   - PHY 2053C (or PHY 2053+2053L) College Physics I  4 hrs
   - PHY 2054C (or PHY 2054+2054L) College Physics II  4 hrs
   - OR-
   - PHY 2048C (or PHY 2048+2048L) General Physics Using Calculus I  4 hrs
   - PHY 2049C (or PHY 2049+2049L) General Physics Using Calculus II  4 hrs

B. **Restricted Electives**
   Must take at least 3 restricted elective courses (at least 2 must have a lab component and only 1 can be chosen from the full list of Biomedical Sciences restricted electives):
   - PCB 3703C Human Physiology
   - PCB 4028 Molecular and Cell Pharmacology
   - PCB 4135 Applied Molecular Cell Biology
   - PCB 4174 Foundation Bio-Imaging Science
   - PCB 4234 Cancer Biology
   - PCB 4284 Immunobiology
   - PCB 4832 Cell and Molec Basis of Brain Func
   - ZOO 4742 Advanced Neurobiology
   - ZOO 4747C Clinical Neuroscience

   Note: Participating in AIM, GEAR, HIM (with approval), PILOT, or PURE will substitute for one lab restricted elective.