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: Appropriate Chemistry Placement Exam score or CHM 1025 & MAC1105
   - CHM 2046   Chemistry Fundamentals II    3 hrs
   - CHM 2210   Organic Chemistry I        3 hrs

III. **Major Requirements**
   Students must maintain a 3.0 Science GPA to graduate with this degree.

   A. **Core Curriculum**
      **Life Sciences**
      - BSC 2011C   Biology II    4 hrs
      - PCB 4280   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 4024 -OR- BCH 4053  Medical Biochemistry or Biochemistry I 4 hrs/3 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
   - ZOO 4743 Clinical Neuroanatomy and Neuroscience

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