**Integrative Physiology Flow Chart**

### Ancillary Courses
**IPHY Required**
(C- or better is required)

- **Biology Sequence**
  - Suggested Completion: Year 1
  - Offered: Check with advisor for availability
  - EBIO 1210/1230 and EBIO 1220/1240
  - OR
  - MCDB 1150/1151 and MCDB 2150/2151

- **Chemistry Sequence**
  - Suggested Completion: Year 1 or 2
  - Offered: Fall, Spring & Summer
  - CHEM 1113/1114 and CHEM 1133/1134

- **Calculus 1**
  - Suggested Completion: Year 1-3
  - Offered: Fall, Spring & Summer
  - MATH 1300: geometry & calculus
  - OR
  - MATH 1310: calculus, stoichiometry & modeling
  - OR
  - APPM 1350: calculus for engineers

- **Statistics**
  - Suggested Completion: Year 2 or 3
  - Offered: Fall, Spring & Summer
  - IPHY 2800-4 or equiv.

- **Physics Sequence**
  - Suggested Completion: Year 3-4
  - Offered: Fall, Spring & Summer
  - Algebra Based: PHYS 2010 & 2020
  - OR
  - Calculus Based: PHYS 1110 & 1220/1140

### IPHY Courses & Prerequisites
(C- or better required)

- **Human Anatomy & Lab:**
  - IPHY 3410-3 & 3415-2
  - Suggested Completion: Spring 2 or Fall 3
  - Offered: Fall, Spring & Summer
  - Prerequisites: 1 year Bio Sequence
  - Recommended: Chemistry 1

- **Physiology 1:**
  - IPHY 3470-3 (lecture only)
  - Suggested Completion: Fall 3 or Spring 3
  - Offered: Fall, Spring & Summer
  - Prerequisite: 1 year Bio Sequence, 1 year Chemistry Sequence, IPHY 3410

- **Physiology 2 & Lab:**
  - IPHY 3480-3 & 3435-2
  - Suggested Completion: Spring 3 or Fall 4
  - Offered: Fall, Spring & Summer
  - Prerequisites: IPHY 3470, 3410, 3415 (pre-reg, for 3480 and 3435) and IPHY 2800
    (pre-reg, for 3435 only)

### IPHY Core Courses & Prerequisites
(choose 3 of the 6 courses, C- or better)

- **Cellular Physiology:** IPHY 3060-4
  - Suggested Completion: Year 4
  - Offered: Fall
  - Prerequisite: IPHY 3470

- **Immunology:** IPHY 4600-3
  - Suggested Completion: Year 4
  - Offered: Fall & Spring
  - Prerequisite: IPHY 3470 (3060 Rec)

- **Endocrinology:** IPHY 4440-4
  - Suggested Completion: Year 4
  - Offered: Fall & Spring
  - Prerequisite: IPHY 3470

- **Biomechanics:** IPHY 4540-5
  - Suggested Completion: Year 4
  - Offered: Fall & Spring
  - Prerequisite: IPHY 2800, 3470, Calculus 1, PHYS 2010

- **Exercise Physiology:** IPHY 4650-5
  - Suggested Completion: Year 4
  - Offered: Fall & Spring
  - Prerequisite: IPHY 3480

- **Neurophysiology:** IPHY 4720-4
  - Suggested Completion: Year 4
  - Offered: Fall & Spring
  - Prerequisite: IPHY 2800 & 3470

**30 IPHY Hours Total, 18 Upper Division IPHY Mandatory to Graduate with Major**