INTEGRATIVE ANIMAL BIOLOGY
HUMAN TRACK (2016-2017)

DEPARTMENT OF INTEGRATIVE BIOLOGY

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- Must receive a C- or better or meet major requirements
- Must maintain a 2.0 GPA in all Major's coursework: this is the Applied Attempts GPA in the Major block of DegreeWorks
- Must have fewer than 3 D and/or F grades in Biology major and supporting science requirements lectures
- Must complete a minimum of 20 credit hours of Integrative Animal Biology major requirements at USF Tampa

CORE CURRICULUM (24 CREDIT HOURS)

- □ BSC 2010/L: Cellular Processes with lab  
  No prerequisites; must take lecture and lab together
- □ BSC 2011/L: Biodiversity with lab  
  No prerequisites; must take lecture and lab together
- □ PCB 3043/L: Ecology and lab  
  Prerequisites: BSC 2010/L, BSC 2011/L and CHM 2046
- □ PCB 3063/L: Genetics and lab  
  Prerequisites: BSC 2010/L and CHM 2046
- □ BSC 2093C: Human Anatomy with Physiology I  
  Prerequisites: BSC 2010/L, BSC 2011/L and CHM 2045
- □ BSC 2094C: Human Anatomy with Physiology II  
  Prerequisites: BSC 2093C

MAJOR ELECTIVES OPTIONS (16 CREDIT HOURS - MINIMUM OF 8 HOURS AT 4000+ LEVEL)

- □ BOT 3850: Medical Botany
- □ BSC 4910: Undergraduate Research (max 4 credits)
- □ BSC 4933: Embryology
- □ BSC 4933: Epigenetics
- □ BSC 4933: Evolutionary Medicine
- □ BSC 4933: Genomics
- □ BSC 4933: Intro to Cancer Biology
- □ BSC 4933: Physiology of Movement
- □ BCH 4033: Biochemistry
- □ MCB 3020/L: Microbiology and Lab
- □ MCB 4202: Ecology of Infectious Diseases
- □ MCB 4404/L: Microbial Physiology and Genetics
- □ MCB 4503: Virology
- □ PCB 3712/3713: General Physiology and lab
- □ PCB 4234: Principles of Immunology
- □ PCB 4663: Human Genetics
- □ PCB 4674: Organic Evolution
- □ PCB 4744: Biomedical Physiology
- □ ZOO 4233: Parasitology
- □ ZOO 4753: Human Histology and Histopathology

THIS IS NOT A COMPLETE LIST: Please refer to the permit page for additional elective options and prerequisites

Most advanced biology courses are not offered every semester; there are no set offerings for summer

BCH 4033 will NOT count toward the 8 hours of 4000 level major electives, it will only apply to the 3000 level

SUPPORTING SCIENCE (32-34 CREDIT HOURS)

- □ CHM 2045/L: General Chemistry I and lab  
  Prerequisites: C or better in MAC 1105 or test equivalent
- □ CHM 2046/L: General Chemistry II and lab  
  Prerequisites: C or better in CHM 2045/L
- □ CHM 2210/L: Organic Chemistry I and lab  
  Prerequisites: C or better in CHM 2046/L
- □ CHM 2211/L: Organic Chemistry II and lab  
  Prerequisites: C or better in CHM 2210/L
- □ One Physics Sequence:
  o PHY 2053/L AND PHY 2054/L (non-calculus based, recommended for life science/pre-health majors)
  o PHY 2048/L AND PHY 2049/L (calculus based, must take MAC 2311 and 2312 math sequence)
- □ Calculus I: MAC 2241 OR MAC 2311 OR MAC 2281  
  Prerequisites: C or better in MAC 1147 or test equivalent
- □ Calculus II OR Statistics: MAC 2242 OR MAC 2312 OR STA 2023
ADDITIONAL DEGREE REQUIREMENTS

- ENC 1101
- ENC 1102
- Core Social Science: AMH 2020, ANT 2000, ECO 2013, POS 2041, PSY 2012 or SYG 2000
- Core Humanities: ARH 2000, HUM 1020, LIT 2000, PHI 2010 or THE 2000
- FKL- Social and Behavioral Science
- FKL- Human and Cultural Diversity
- FKL- Fine Arts
- FKL- Humanities
- Two of the above course must also fulfill Human Historical Context and Processes (ENC 1101 AND ________)
- FKL- Capstone (Junior/Senior upper level requirements)
- FKL- Writing Intensive (Junior/Senior upper level requirements)

OTHER UNIVERSITY REQUIREMENTS

- 120 Hours – A Bachelor’s Degree requires a minimum of 120 credit hours
- Upper-level requirement – All students are required to take at least 42 credits at the 3000+ level. Between your Integrative Animal Biology major courses and the exit courses you will complete 29-30 upper level credits. Based on the number of credits you have already taken, you have ______ upper level credits remaining, outside the major and exit courses.
- Summer Rule – All students who enter USF with fewer than 60 credits are required to take at least 9 credits of coursework in the summer at a State University System (SUS) 4-year University. You have _____ summer credits remaining to complete.
- GPA Requirement – Students must earn an overall 2.0 GPA and USF 2.0 GPA
- USF Residency – Student must complete 30 of the last 60 credits in USF Tampa coursework
- FLENT (Foreign Language Entrance Requirement)
- Gordon Rule Communication – ENC 1101, ENC 1102, Writing Intensive and one ‘double-dip’ course

The final responsibility for meeting all graduation requirements stated in the catalog rests with the student. See the USF catalog for a complete list of graduation requirements, www.ugs.usf.edu/catalog.htm

GET INVOLVED!

- Undergraduate Research
- Lab and Field experience through a wide array of coursework
- USF Biology Club
- Pre-Health Profession Clubs
- USF Health Byrd Alzheimer's Institute allows students to volunteer in the research labs
- Moffitt Cancer Center offers internships in various research areas
- Centers for Disease Control and Prevention (CDC) offers paid summer internships in Atlanta

Please refer to the BioAdvise involvement website for links to the above opportunities: http://biology.usf.edu/bioadvise/involvement/clubs.aspx

Additional opportunities available for summer research and shadowing enrichment for pre-health students: http://www.cas.usf.edu/healthprofessions/involvement/enrichment/

“BioAdvise at USF” on Facebook for new opportunities within the Biology Field!