



## POSSIBLE ELECTIVES FOR PRE-HEALTH STUDENTS

This is not meant to be a comprehensive list of electives. Students are encouraged to pursue any electives that they have interest in, whether or not they are health related. There are many additional courses that may relate directly to a student's ultimate career goal that are not listed here. Preparation in a variety of courses in the Humanities, Social Sciences, and Composition (in addition to science coursework) will ultimately help students prepare for becoming health professionals and performing well on standardized entrance exams. You should also check Special Topics courses in these departments each semester for unique offerings.

**NOTE: If you are a CALS or CLAS Biology Pre-Professional major, or are pursuing a Biology BA, please review the approved Additional Life Science (ALS) course lists below.**

**CALS:** Elective Lists are located on the CALS Biology major page.

- **Applied Biology:** <https://cals.ufl.edu/content/PDF/BLYAPB-Electives.pdf>
- **Biotechnology:** <https://cals.ufl.edu/content/PDF/BLYBTC-Electives.pdf>
- **Natural Science:** <https://cals.ufl.edu/content/PDF/BLYNS-Electives.pdf>
- **Pre-Professional:** <https://cals.ufl.edu/content/PDF/BLYPRO-ALS-Electives.pdf>

**CLAS:** Additional Life Science electives are listed in the Undergraduate Catalog.

- **Biology Pre-Professional:** [https://catalog.ufl.edu/UGRD/colleges-schools/UGLAS/BIO\\_BA\\_BS/BIO\\_BS04/#electivestext](https://catalog.ufl.edu/UGRD/colleges-schools/UGLAS/BIO_BA_BS/BIO_BS04/#electivestext)
- **Biology BA Electives:** [https://catalog.ufl.edu/UGRD/colleges-schools/UGLAS/BIO\\_BA\\_BS/BIO\\_BA/#electivestext](https://catalog.ufl.edu/UGRD/colleges-schools/UGLAS/BIO_BA_BS/BIO_BA/#electivestext)

**Some courses may have pre-requisites and may not be offered every semester. Please check the Schedule of Courses and Course Descriptions for more information. **General Education and Writing designations are subject to change. Always check for designations when you are registering.****

**Cultural Competency & Global Health-** Cultural Competency is one of the competencies that medical schools and other professional schools specifically look for in applicants. A patient's view of their healthcare provider and treatment options can be greatly influenced by factors such as religion, socioeconomic status, and ethnicity. Learn about your future patients and their diverse backgrounds.

ABT3500 Arabic Culture (H,N) (WR)  
AEB4282 International Human Assistance (N,S)  
AEB4283 International Development Policy (S)  
AEC3073 Intercultural Communications (D,S or N,S)  
AFA2000 Intro to African American Studies (H) (WR)  
AFS3352 Culture, Health, and Arts in Sub-Saharan Africa  
ANT3451 Race and Racism (D,S)  
ANT3478 Global Health Culture (N,S)  
ANT4354 Anthropology of Modern Africa (N,S) (WR)

CHT3500 Chinese Culture (H,N)  
ISS2160 Cultural Diversity in the U.S. (D,S) (WR)  
REL2300 Intro to World Religions (H,N)  
REL3318 Chinese Religions  
REL3381 Religion in Latin America (H,N)  
SYD3700 Minorities in American Society (D,S)

**Health Care System and Public Health-** Learn more about specific issues in healthcare based on your personal interests.

ANT4462 Culture and Medicine  
CLP4110 Eating Disorders  
CLP4314 Intro to Health Psychology  
COM4022 Communication in Health (WR)  
GIS3420C GIS Models for Public Health  
HSC2000 Introduction to Health Professions  
HSC3102 Personal and Family Health (S)  
HSC3201 Community and Environmental Health  
HSC4232C Exercise Therapy, Adapted Physical Activity and Health (D,S)  
HSC3537 Health and Medical Terminology  
HSC4233 Patient Health Education  
HSC4579 Women's Health Issues  
HSC4593 HIV/AIDS Education  
HSC4623 Minority Health Issues  
HSC4624 Trends in International Health (N,S)

*\*OTHER HEALTH EDUCATION AND BEHAVIOR COURSES ARE AVAILABLE TO NON-HEB MAJORS AFTER ADVANCE REGISTRATION EACH SEMESTER. EMAIL THE DEPARTMENT.*

HUN2201 Fundamentals of Human Nutrition (B)  
MDU4003 Introduction to the Professions of Medicine  
MDU4004 Physician Shadowing  
MDU4031 Medicine and the Law  
MDU4061 Introduction to Medical Bioethics  
MDU4850 Diseases of Eating  
PHA4933 Medications & Health  
WST2322 Introduction to Health Disparities (D,S)

**Humanities and Medicine-** Medical humanities is a growing field as professionals recognize the connection between medicine and topics of ethics, religion, and spirituality.

GEO3427 Plants, Health, and Spirituality  
HUM2592 Introduction to the Arts in Medicine in a Global Context  
MDU4061 Introduction to Medical Bioethics  
PCB4085 Genetical Ethics  
PHH3610 Happiness and Well-Being  
PHI2630 Contemporary Moral Issues (H) (WR)  
PHI3459 Medicine and Philosophy  
PHI3633 Bioethics

PHI3641 Ethics and Innovation (H) (WR)  
PHI3695 Philosophy and Death (H)  
REL2300 Intro to World Religions (H,N)  
REL3160 Religion and Science (H) (WR)  
REL3318 Chinese Religions  
REL3381 Religion in Latin America (H,N)  
WST2611 Humanities Perspectives on Gender and Sexuality (D,H) (WR)

**MCAT Preparation-** We recommend taking PSY2012 and SYG2000 at a minimum for MCAT preparation. The courses below can augment your preparation.

CBH3003 Comparative Psychology (B)  
CLP3144 Abnormal Psychology (S)  
DEP3053 Developmental Psychology (S)  
Upper-level DEP courses  
EAB3002 Principles of Behavior Analysis (S)  
ENC2305 Analytical Writing and Thinking (various topics) (C) (WR)  
EXP3604 Cognitive Psychology (S)  
PPE3003 Psychology of Personality (S)  
PSB3002 Physiological Psychology (B)  
PSB3340 Behavioral Neuroscience (B)  
ANY UPPER LEVEL PSB COURSE  
PSY2012 General Psychology (S)  
PSY3213L Lab Methods in Psychology  
SOP3004 Social Psychology (S)  
SYO4400 Medical Sociology  
SYP3000 Society and the Individual (S)

**Sociologic Influences on Healthcare-** There are many important sociologic influences on healthcare. Understanding issues such as poverty, gender, racism, and sexuality can enhance your effectiveness as a practitioner.

ANT3451 Race and Racism (D,S)  
ANT3930 Religion and Healing  
DEP4930 Death and Dying  
FYC3001 Intro to Family, Youth, and Community Sciences (S)  
FYC4126 Urban and Rural America in Transition  
HIS3454 Racial Theories in Europe and the U.S.  
PSY4824 Psychology of Eating and Obesity  
SYD3700 Minorities in American Society (D,S)  
SYD3805 Gender and Health  
SYG2010 Social Problems (S)  
SYO3534 Poverty  
SYO4400 Medical Sociology  
SYO4530 Social inequality (D,S)  
SYP3000 Society and the Individual (S)  
SYP3510 Deviance (S)  
SYP4060 Sociology of Human Sexuality

SYP4730 Sociology of Aging and Life Course (D,S)  
WST2322 Introduction to Health Disparities (D,S)  
WST2612 Social Science Perspectives on Gender and Sexuality (D,S) (WR)  
WST3323 Gender, Bodies, and Health  
WST3415 Transnational Feminism (N,S)  
WST3603 Sexualities Studies  
WST4704 Discrimination and Health

**Special Populations-** Understanding the specific needs and challenges of different populations will help you become more comfortable in treating your future patients.

AMH3340 History of Disability in America  
CLP3144 Abnormal Psychology (S)  
DEP3053 Developmental Psychology (S)  
Upper-level DEP courses  
EDF3110 Human Growth and Development (S)  
EDF3122 The Young Child  
EDF3132 The Young Adolescent  
EDF3135 The Adolescent  
EEX2000 Impact of Disabilities: Home, Community and Workplace (D,S)  
EEX3093 Exceptional People in School and Society (D,S)  
SPA3475 Deaf Culture in America  
WST3603 Sexualities Studies

**Skill Development-** Healthcare is more than just science. You need a well-developed skill set including communication and leadership skills to be successful.

AEC3030C Effective Oral Communication  
AEC3073 Intercultural Communication (D,S or N.S)  
AEC3413 Working with People: Interpersonal Leadership Skills  
AEC3414 Leadership Development  
AEC4434 Communication and Leadership in Groups and Teams  
AEC4500 Program Development and Evaluation  
ANT4930 Bioethics in Daily Life  
COM1000 Introduction to Communication Studies (S)  
COM4022 Health Communication (WR)  
ENC2210 Technical Writing (C) (WR)  
ENC2305 Analytical Writing and Thinking (C) (WR)  
ENC3453 Writing in the Health Professions (C) (WR)  
ENC3459 Writing in the Medical Sciences (C) (WR)  
FYC4409 Working with Nonprofit Organizations in Community Settings  
GEB3218 Professional Speaking in Business  
MAN3025 Principles of Management (S)  
MAR3023 Principles of Marketing (S)  
SDS3340 Career & Lifespan Planning  
SDS3482 Stress and Anxiety Management  
SPC2351 Listening  
SPC2608 Introduction to Public Speaking

SPC3331 Nonverbal Communication  
SPC4710 Patterns of Intercultural Communication (N,S) (WR)  
ANY FOREIGN LANGUAGE

### **Veterinary Related**

ANS3079L Relationship of Form to Function in Horses  
ANS3216 Intro to Equine Science  
ANS3251 Biology and Management of Dairy Cattle  
ANS3319C Reproductive Physiology and Endocrinology in Domestic Animals  
ANS3404C Food Animal Nutrition and Feeding  
ANS3405 Equine Nutrition and Feeding Management  
ANS4218L Horse Psychology and Training  
ANT4552 Primate Behavior  
ATE2511 Companion Animal Biology and Management  
CBH3003 Comparative Psychology (B)  
EAB3002 Principles of Behavior Analysis (S)  
MAN3025 Principles of Management (S)  
MAR3023 Principles of Marketing (S)  
VME3001 The Dog  
VME4013 Aquatic Wildlife Health Issues  
VME4016 Manatee Health and Conservation  
VME4103 Livestock Health and Disease Prevention  
VME4906 Problems in Veterinary Science  
WIS3401 Wildlife Ecology and Management  
WIS3402 Wildlife of Florida  
WIS4945C Wildlife Techniques

### **Dental Related**

ART2750C Ceramics for Non-majors  
ART2934C Special Topics in Studio Art for Non-majors (fine motor skill topics)  
ART2936C Special Topics in Drawing for Non-majors (fine motor skill topics)  
MAN3025 Principles of Management (S)  
MAR3023 Principles of Marketing (S)

### **Science Related Electives**

This is not an exhaustive list of science electives, but rather a list of science courses that may provide a more direct link to human medicine. You are encouraged to explore other science courses of interest. Most courses have prerequisites, please check the course descriptions for more details.

AGR3303 Genetics (B)  
BMS3521 Human Physiology in Translation  
BMS4136C Human Histology  
BSC3096 Human Physiology

CHM4034 Advanced Biochemistry and Chemical Biology  
MCB3020 Basic Biology of Microorganisms (B)  
MCB4203 Bacterial Pathogens  
MCB4304 Genetics of Microorganisms  
MCB4503 General Virology  
PCB3063 Genetics  
PCB3134 Eukaryotic Cell Structure and Function  
PCB4233 Immunology  
PCB4522 Molecular Genetics  
PCB4723C Physiology and Molecular Biology of Animals  
PSB3340 Behavioral Neuroscience (B)  
PSB4342 Introduction to Cognitive Neuroscience  
PSB4434 Neurochemistry, Pharmacology and Behavior (B)  
PSB4810 Neurobiology of Learning and Memory  
ZOO3603C Evolutionary Developmental Biology  
ZOO3713C Functional Vertebrate Anatomy  
ZOO4232 Human Parasitology  
ZOO4926 Epigenetics and Human Disease

### UF BCPM Science Reference Guide

ABE3063L, ABE3612C, AGR3303, AGR4512, ANS3319C, APK 4144 ,APK2100C ,APK2105C ,APK3110C, APK4112, AST\*\*\*\*, BCH\*\*\*\*, BME4621, BMS\*\*\*\*, BOT\*\*\*\*, BSC\*\*\*\*, CHM\*\*\*\*, ECH3101, EML3007, EML3100, ENY 3005 , ENY 3222C , ENY 3451C , ENY 4161 , ENY 4202 , ENY 4221 , ENY4590C, ENY 4592 , ENY 4660 , ENY 4660L , FOS4222, FOS4311, HUN 4445, HUN 4446, HUN 4813C, HUN4221, ISC 3523, ISC2400L, ISC2401L, MAA\*\*\*\*, MAC\*\*\*\*, MAD\*\*\*\*, MAP\*\*\*\*, MAS\*\*\*\*, MAT\*\*\*\*, MCB\*\*\*\*, MGF\*\*\*\*, MHF\*\*\*\*, MTG\*\*\*\*, NEM3002, PCB\*\*\*\*, PHY\*\*\*\*, PHZ\*\*\*\*, PLP 4222C, PLP 4242C, PLP 4260C, PLP 4653C, PSB\*\*\*\*, STA\*\*\*\*, WIS 4601C, ZOO\*\*\*\*.

This is not a catch all, as there are some exceptions to this categorization. For example, see some courses that are **excluded** below:

AST1002, AST1002L, AST2000, AST2003, AST2004, AST2037, AST2039, BOT2800C, BOT4621, BSC2862, BSC2891, BSC3307C, BSC3402, BSC3911, BSC4821C, BSC4936, CHM1020, CHM4940, MCB2006, PCB1051, PCB4085, PHY1033C, PSB3842, PSB4823, ZOO4940.

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