

Health Sciences, B.S. (HLS)

Catalog Years 2012-present

Tier 1: Required Lower-Level Courses: 34-40 hours

Core requirements : 18 hours

- HSC 2000 Intro to Health Professions (3 cr)
- ENC 2210 Technical Writing (3 cr) (6A+Gordon Rule)
- DEP 2004 The Life Cycle (3 cr)
- PHI 3633 Biomedical Ethics or PHI 3636 Professional Ethics (3 cr)
- CLT 3040 Scientific/Medical Terminology (3 cr)
- PSY 2012 Intro to Psych Science (3 cr) (FKL=CASB)

Biology Courses: 7-12 Hours

- BSC 1005 or 1020 or BSC 2010/L (3-4 cr) (FKL=Life Science)
- BSC 2085 Anat/Phys I and Lab (4 cr) (FKL=Life Science)
- or BSC 2093C and 2094C (8 cr) (BSC 2010/L and BSC 2011/L, CHM 2045)
(Fall semesters only) (Spring semesters only)

Math courses: 6-7 hours

- MAC 1105 (3 cr) or higher (MAC XXXX - 4 cr) (FKL=CAMA)
- STA 2023 (3 cr) (FKL=CAQR)

Choose one of the following courses (minimum of 3 hours):

- COM 2000 Intro to Communication (3 cr)
- SYG 2000 Intro to Sociology (3 cr) (FKL=CASB)
- ANT 2511/L Biological Anthropology and Lab (4 cr) (Pre- req for ANT 4520 in Biological Health Sciences Concentration)
- GEY 2000 Intro to Aging Sciences (3 cr) (FKL=CASB) (Suggested, but not required for Aging Studies Concentration)
- ACG 2021 Principles of Fin Acct (3 cr.) (Pre- req for ACG 2071 in Health Mgt Concentration)

Choose concentrations based on career interests:

Biological Health Sciences: Pharmaceutical sales, clinical lab management, technology specialists, pre- PT and PA.

Social/behavioral Health Sciences: Social service agencies such as mental health.

Aging Health Studies: Nursing home administration, counselors, therapists, geriatric program development.

Health Management: Hospital administration, physician's office management, insurance industry and health service mgmt.

Health Information Technology: Medical records management, IT, software/Internet development.

Tier 2: Complete a minimum of 30 credits in one concentration or a minimum of 15 credits in two concentrations

Biological Health Sciences (min of 15 cr or 30 cr)

- ANT 4462 Health, Illness & Culture (3 cr) Pre-req ANT 2410
- ANT 4520C Forensic Anthropology (4 cr) Pre-req ANT 2511/L
- APK 3120 Exercise Physiology (3cr) Open to HLS majors in Spring Semester Only
- BSC 3022 Biology of Aging (3 cr)
- CHM 2023 Chem. For Today (3 cr) - OR-
- CHM 2045/L Gen Chem I and lab (4 cr) (FKL Physical Science)
Chemistry Permit Required: Pre-req MAC 1105
- CHM 2046/L General Chemistry II and lab (4 cr)
Chemistry Permit Required: Pre-req CHM 2045/L (C or higher)
- GEY 3601 Physical Changes & Aging (3 cr)
- HSC 4430 Occupational Health and Safety (3 cr)
- HSC 4504 Found. PH Immunology (3 cr)
- HSC 4551 Survey of Human Diseases (3 cr)
- HSC 4573 Foundations of food safety (3 cr)
- HSC 4624 Foundations of Global Health (3 cr)
- HUN 3296 Nutrition and Disease (3 cr)
- HUN 3272 Sports Nutrition (3 cr)
- LIS 4785 Intro Health Informatics (3cr)
- LIS 4930 Health Info Sources & Svcs (3cr) (exact course title)
- LIS 4930 eHealth in the Digital Age (3 cr) (exact course title)
- LIS 4930 Digital Research Projects (3 cr) (exact course title)
- MCB 3020/L General Microbiology and lab (4 cr)
Biology Permit Required: Pre-req CHM 2210, BSC 2010/L & BSC 2011/L
- PAD 4930 Health Policy in U.S. (3 cr)(exact course title)
- PAD 4930 Planning for Health Comm (3 cr)(exact course title)
- PCB 3063/L Genetics and lab (4 cr)
Biology Permit required: pre-req BSC 2010/L and CHM 2046
- PHC 3302 Intro Env./Occ. Health (3 cr)
- PHC 3320 Environmental Health Science (3 cr)
- PHC 4030 Intro to Epidemiology (3 cr)
- PHC 4101 Overview PH Programs Policies (3 cr)
- PHY 2020 Conceptual Physics (3 cr) (FKL=Physical Sci) -OR-
- PHY 2053/L Physics I with lab (4 cr) (FKL=Physical Sci)
- PHY 2054/L Physics II with lab (4 cr)
- SPC 4930 Patient-Provider Communication (3 cr)(exact course title)

Comm. Sci/Disorders courses applicable to Biological Health

- SPA 3030 Intro Hearing Science (3 cr)
- SPA 3101 A&P of Speech/hearing (3 cr)
- SPA 3002 Intro to Disorders of Speech/Lang (3 cr)
- SPA 3004 Intro to Lang. Dev/Disorders (3 cr)
- SPA 4104 Neuroanatomy (3 cr)

SPA permit may be required (see back page for website)

Social/behavioral Health Sciences (min of 15 cr or 30 cr)

- CLP 4143 Abnormal Psychology (3 cr) - Psychology permit required (see back for website)
 - COM 4020 Comm. Illness, Grief & Loss (3 cr)
 - COM 4021 Family Communication & End of Life (3 cr)
 - COM 4022 Health Communication (3 cr)
 - COM 4225 Global and Cultural Health Comm (3 cr)
 - COM 4702 Comm, Lang. & Mental Illness (3 cr)
 - HSC 4172 Women's Health: A Public Health Perspective (3 cr)
 - HSC 4211 Health Behavior and Society (3 cr)
 - HSC 4579 Foundations Maternal/Child Health (3 cr)
 - HSC 4631 Critical Issues in Public Health (3 cr) (FKL=Capstone Exit)
 - LIS 4776 Health Information Technology (3 cr)
 - LIS 4930 Health Info Sources & Services (3cr) (exact course title)
 - LIS 4930 Digital Research Projects (3cr) (exact course title)
 - MHS 4022 Adult Psychopathology in the Community (3 cr)
 - MHS 4452 Co-Occurring Disorders (3 cr)
 - MHS 4490 Behavioral Healthcare Issues for Children (3 cr)
 - PAD 4930 Health Policy in U.S. (3 cr)(exact course title)
 - SOP 4330 Social Psychology HIV/AIDS (3 cr)
 - SOW 3102 Human Behavior and the Social Environment II (3 cr)
 - SOW 3203 Intro to Social Work (3 cr)
 - SOW 3210 The American Soc. Welfare system (3 cr)
 - SPC 4305 Communicating Emotions (3 cr)
 - SPC 4321 Communication & Aging (3 cr)
 - SPC 4930 Patient-Provider Communication (3 cr)(exact course title)
 - SPC 4930 Intercultural Health Communication (3 cr)(exact course title)
 - SYO 4400 Medical Sociology (3 cr)
 - WST 4320 The Politics of Women's Health (3 cr)
- ### Mental Health/Substance Abuse courses applicable to Social/Behavioral :
- MHS 3411 Multidisc. Behavioral Healthcare (3 cr)
 - MHS 4002 Behavioral Health systems delivery (3 cr)
 - MHS 4408 Exemplary Practices in Behavioral Healthcare (3 cr)
 - MHS 4703 Legal, Ethical, and Professional Issues in Behavioral Healthcare (3 cr)
 - PSB 3444 Drugs & Behavior (3 cr)

Health Sciences

SOC 399; tel. 813-974-6957; fax. 813-974-4075 Email: hhsadvise@usf.edu
Schedule your advising appointment: <http://eschedule.forest.usf.edu/login.aspx>
Declare your major at: www.cas.usf.edu/declare

Aging Health Studies (min of 15 cr or 30 cr)

BSC 3022	Biology of Aging (3 cr)
GEY 3601	Physical Changes & Aging (3 cr)
GEY 4322	Care Management for Older Adults (3 cr)
GEY 4507	Understanding Policy&Prac. of Long-term Care (3 cr)
GEY 4360	Counseling for Older Adults (3 cr) <u>OR - (not both)</u>
MHS 4931	Counseling of Older Adults (3 cr) (exact course title)
GEY 4608	Alzheimer's Disease Mgmt (3 cr)
GEY 4628	Health, Ethnicity & Aging (3 cr)
GEY 4641	Death & Dying (3 cr)
GEY 4935	Program & Service Evaluation (3 cr) (exact course title)
GEY 4935	Senior Seminar in Gerontology (3 cr) (exact course title)
HSC 4211	Health Behavior & Society (3 cr)
HSC 4630	Understanding U.S. Healthcare (3 cr)
LIS 4930	Health Info Sources & Svcs (3cr) (exact course title)
LIS 4930	eHealth in the Digital Age (3 cr) (exact course title)
PAD 4930	Planning for Health Comm (3 cr)(exact course title)
PHC 4931	Health Care Ethics (3 cr)
SOW 3210	The American Social Welfare System (3 cr)
SPA 3002	Intro to Disorders of Speech/Lang (3 cr)
SPA 4257	Adult Communication Disorders (Pre-req SPA.4104 minimum grade "C", SR only)
SPC 4930	Patient-Provider Communication (3 cr)(exact course title)

Health Information Technology (min of 15 cr or 30 cr)

ISM 3113	System Analysis and Design (3 cr)
LIS 3261	Intro to Information Science (3 cr)
LIS 3352	Interaction Design (3 cr) (Pre-req LIS 3353 minimum grade "C-")
LIS 3353	IT Concepts for Information Professionals (3 cr)
LIS 3361	WWW Design and Management (3 cr)
LIS 3783	Information Architecture (3 cr) (Pre-req LIS 3261 or LIS 3361 minimum grade "C-")
LIS 4365	Web Design Technologies (3 cr) (Pre-req LIS 3361 minimum grade "C-")
LIS 4204	Information Behaviors (3 cr) (Pre-req LIS 3261 minimum grade "C-")
LIS 4380	Information and Social Media (3 cr)
LIS 4414	Information Policy & Ethics (3 cr)
LIS 4482	Networks and Communication (3 cr) (Pre-req LIS 3353 minimum grade "C-")
LIS 4776	Health Information Technology (3 cr)
LIS 4779	Management of Health Information Systems (3 cr)
LIS 4477	Clinical Decision Support (3 cr)
LIS 4785	Intro to Health Informatics (3 cr)
LIS 4930	Health Information Security (3 cr) (exact course title)
LIS 4930	Health Info Sources & Svcs (3cr) (exact course title)
LIS 4930	Python for Informatics (3cr) (exact course title)
LIS 4930	eHealth in the Digital Age (3cr) (exact course title)
LIS 4930	Digital Research Projects (3cr) (exact course title)
LIS 4930	Health Information Mgt Systems (3 cr) (exact course title)
PAD 4712	Managing Info Resources in Public Sector (3 cr) Only offered in Spring
SPC 4930	Online Communication (3 cr)(exact course title)

Foundations of Knowledge & Learning (FKL) Core Requirements for Catalog Years 2009 & Later

English Composition (6 cr) ENC 1101 & ENC 1102
Mathematics (3 cr) MAC 1105 from Tier 1
Quantitative Reasoning (3 cr) STA 2023 from Tier 1
Life Science (3 cr) BSC 2085 course from Tier 1
Physical Science (3 cr) _____
Social/Behavioral Sciences (6 cr) Tier 1- PSY 2012 & SYG 2000 or GEY 2000
Humanities (6 cr) _____ & _____ (core)
Fine Arts (3 cr) _____
Human/Cultural Diversity in a Global Context (3 cr) _____
Two Courses from the above categories must meet the Human Historical Context and Process requirement (6 cr) ENC 1101 & _____

Upper-Level Requirements:

Require 60 completed credit hours and must be chosen only from the list in the Catalog or Schedule of Classes.

One Course in Capstone (3 cr) _____
One Course in Writing Intensive (3 cr) _____

Health Management (min of 15 cr or 30 cr)

ACG 2071	Principles of Managerial Acct. (3 cr) (Pre-req = ACG 2021)
GEY 4635	Business Mgmt in Aging Society (3 cr) (FKL=Capstone Exit)
HSC 4211	Health Behavior & Society (3 cr)
HSC 4624	Foundation of Global Health (3 cr)
HSC 4630	Understanding US Healthcare (3 cr)
HSC 4631	Critical Issues in Public Health (3 cr) (FKL=Capstone Exit)
LIS 4930	Health Info Sources & Svcs (3cr) (exact course title)
LIS 4930	eHealth in the Digital Age (3 cr) (exact course title)
LIS 4930	Digital Research Projects (3 cr) (exact course title)
MAN 3025	Principles of Mgmt (3 cr)
MMC 4936	Health Comm & Media (3 cr)(exact course title)
PAD 3003	Intro to Public Admin. (3 cr)
PAD 4204	Public Financial Admin. (3 cr)
PAD 4415	Personnel and Supervision in Today's Diverse Org. (3 cr)
PAD 4712	Managing Info Resources in Public Sector (3 cr) Only offered in Spring
PAD 4930	Intro Healthcare Mgt.(3 cr) (exact course title)
PAD 4930	Health Policy in U.S. (3 cr) (exact course title)
PAD 4930	Planning for Health Comm (3 cr)(exact course title)
PAD 4930	Global Healthcare Policy (3 cr) (exact course title)
PAD 4930	Human Resources Mgt. in Healthcare (3 cr) (exact course title)
PHC 4101	Overview PH Programs Policies (3 cr)
PHC 4931	Health Care Ethics (3 cr)
PHI 3636	Professional Ethics (3 cr) (Only counts in Tier 1 or in concentration, not both)
PUP 4002	Public Policy (3 cr)
SPC 4930	Patient-Provider Communication (3 cr)(exact course title)
SPC 4930	Intercultural Health Communication (3 cr)(exact course title)
SPC 3710	Communication and Cultural Diversity (3 cr) (FKL Human/Diversity Global & Historical Context and Process)
SYO 4400	Medical Sociology (3 cr)

Only 3 MMC, SPC and/or COM courses (total of 9 credits) can count in the Health Management concentration

Requirements for Graduation

120 hours: A Bachelor's degree requires a minimum of 120 credit hours.

42 upper level hours: All students must earn a minimum of 42 credits at the 3000 & 4000 level (Upper level requirement changed from 48 to 42 credits Fall 2016)

9 hour summer rule: All students who enter USF with fewer than 60 hours are required to take at least 9 hours of course work in the summer at one of the Universities in the State University System.

12 hrs of Gordon Rule Writing ENC 1101 & ENC 1102, Writing Intensive Exit Course **AND** ENC 2210 satisfies the Gordon Rule Requirement

FLNENT: Foreign Language Entrance Requirement: All students must have two years of the same foreign language in high school. Students without this requirement must take two semesters of the same foreign language in college.

- Students may overlap 2 courses, up to eight hours, between 2 majors.
- Minor coursework cannot overlap with major coursework. The courses can only apply to the major or the minor, not both.
- Minors should be declared by the time you reach 90 credits or within one semester of transferring to USF.
- IDS 2931, BSC 4933, PAD 4930, IDS 4930, HSC 4933, LIS 4930, MHS 4931 and GEY 4935 course numbers are "selected topic". Courses taken with one of the above course numbers must have the exact course title for it to count towards the concentration

For Biology course permits (BSC 2010/L, BSC 2011/L, BSC 2093C, BSC 2094C, MCB 3020/L, PCB 3063/L):
<http://biology.usf.edu/bioadvise/forms/permits.aspx>

For Chemistry course permits (CHM 2045/L, CHM 2046/L, CHM 2210/L):
<http://chemistry.usf.edu/forms/permit/>

For Psychology course permits (CLP 4143 or DEP 4053):
<http://psychology.usf.edu/forms/CoursePermit/>

For COM or SPC course permits: Email Kasandrea at: ksereno@usf.edu

For SYO course permits: Email Brandon Kroll at: bkroll@usf.edu

For SOW permits: Email Amy Weisz at: aweisz@usf.edu

For PHC/HSC questions/permits: Email UG-PublicHealthAdvising@health.usf.edu

For SPA course permits: <http://intra.cbcs.usf.edu/forms/csd/classPermit.cfm>

See the USF catalog for a complete list of graduation requirements. The final responsibility for meeting all graduation requirements stated in the catalog rests with the student. This sheet is not meant to be a complete list of University Graduation requirements.