Minor, Certificate, Track, or Concentration Form

1. Department and Contact Information

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<tr>
<th>Department</th>
<th>College</th>
<th>Budget Account Number</th>
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<tr>
<td>CAS Graduate /Undergraduate</td>
<td>Arts &amp; Sciences</td>
<td>120100000</td>
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<tr>
<th>Contact Person</th>
<th>Phone</th>
<th>Email</th>
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<tbody>
<tr>
<td>Katharine Cole</td>
<td>974-3501</td>
<td><a href="mailto:cole@cas.usf.edu">cole@cas.usf.edu</a></td>
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2. Minor/Certificate/Track/Concentration Information

<table>
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<tr>
<th>Type</th>
<th>Total Credit Hours</th>
<th>Recommended Starting Date</th>
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<tr>
<td>Minor</td>
<td>120</td>
<td>SP 2010</td>
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Title
Health Sciences

Required Courses
Core Requirements: 1. BSC1020 (The Biology of Humans)(3) or BSC1005 (Principles of Biology For Non-Majors)(3)

2. PHY2020 (Conceptual Physics)(3)  3. CHM 2032 (Intro to Gen, Org, Biochemistry)(4) or CHM2023 (Chemistry for Today)(4) 4. MAC1105 (College Algebra)(3) or MAC1147 (Precalculus Algebra and Trigonometry)(4) or MAC2241 (Life Sciences Calculus I)(4)

5. STA2023 (Introductory Statistics I)(4) or PSY3204 Psychological Statistics (3)

Tier I requirements:
6. IDS2131 (Intro to Health Professions)(3)
7. PHI3633 (Biomedical Ethics)(3)
8. CLT 3040 (Scientific and Medical Terminology)(3)
9. COM 2000(Introduction to Communication)(3) or PSY 2012(Introduction to Psychological Science)(3) or ANT 2511(Biological Anthropology)(3) or SYG 2000(Introduction to Sociology) (3)

Tier II electives: 12 credit hours of electives in each concentration: A.Biological Health Sciences concentration -12 credits BSC 2085/6 Human Anatomy and Physiology(4) PHY 3XXX Applic of Physics to Medical Diagnostics (3) HSC 4554 Survey of Human Disease(3) ANT 2511 Biological Anthropology(3) ANT 4520C Forensic Anthropology(4) ANT 4462 Health, Illness and Culture(3) BSC 2022 Biology of Aging (3) ZOO 4512 Sociobiology (3) BMS 4402 Principles of Human Pharmacology(3) NUR 4194 Interdiscipl. Perspective in HIV Disease(3) HSC X187 Classical Chinese Medicine(3)

B. Social and Behavioral Health Sciences conc -12 credits SYO 4400 Medical Sociology (3) PHI 3636 Professional Ethics (3) SOP 4330 Social Psychology of HIV/AIDS (3) NUR 4655 Cultural Diversity in Health Issues(3) SYP 4550 Drugs and Society(3) PSB 3444 Drugs and Behavior (3) COM 4022 Health Communication (3) COM 4020 Communication, Illness, Grief and Loss (3) ECP 3530 Economics of Health (3) WST 4320 The Politics of Women’s Health (3) CHI 3XXX Religion and Medicine in Ancient China (3) CLP 4143 Abnormal Psychology (3)

Other Specifications

3. Proposed Catalog Copy

Health Sciences(HS)

The Health Sciences major serves the academic and career goals of undergraduate students by
providing a foundation of knowledge and skills necessary for the health professions. The major offers coursework that promotes an understanding of the biological, social, economic and behavioral factors influencing health and disease.

Recommended State Mandated Pre-requisites: There are no state mandated pre-requisites for this degree program. Students are encouraged to complete as many of the following courses as possible during the program of study at the community college, and when feasible in general education/Gordon Rule courses.

REQUIREMENTS FOR THE MAJOR IN HEALTH SCIENCES Core Requirements:
1. BSC1020 (The Biology of Humans)(3) or BSC1005 (Principles of Biology For Non-Majors)(3)
2. PHY2020 (Conceptual Physics)(3)  
3. CHM 2032 (Intro to Gen, Org, Biochemistry)(4) or CHM2023 (Chemistry for Today)(4)  
4. MAC1105 (College Algebra)(3) or MAC1147 (Precalculus Algebra and Trigonometry)(4) or MAC2241 (Life Sciences Calculus I)(4)
5. STA2023 (Introductory Statistics I)(4) or PSY3204 (Psychological Statistics)(3)

Tier I requirements:
6. IDS2131 (Intro to Health Professions)(3)
7. PHI3633 (Biomedical Ethics)(3)
8. CLT 3040 (Scientific and Medical Terminology)(3)
9. COM 2000(Introduction to Communication)(3) or PSY 2012(Introduction to Psychological Science)(3) or ANT 2511(Biological Anthropology)(3) or SYG 2000(Introduction to Sociology)(3)

Tier II electives: 12 credit hours of electives in each concentration: A. Biological Health Sciences concentration - 12 credits BSC 2085/6 Human Anatomy and Physiology(4/4) PHY 3XXX Applic of Physics to Medical Diagnostics(3) HSC 4554 Survey of Human Disease(3) ANT 2511 Biological Anthropology(3) ANT 4520C Forensic Anthropology(4) ANT 4462 Health, Illness and Culture(3) BSC 2022 Biology of Aging (3) ZOO 4512 Sociobiology (3) BMS 4402 Principles of Human Pharmacology(3) NUR 4194 Interdiscipl. Perspective in HIV Disease(3) HSC X187 Classical Chinese Medicine(3)

B. Social and Behavioral Health Sciences conc -12 credits SYO 4400 Medical Sociology (3) PHI 3636 Professional Ethics (3) SOP 4330 Social Psychology of HIV/AIDS (3) NUR 4655 Cultural Diversity in Health Issues(3) SYP 4550 Drugs and Society(3) PSB 3444 Drugs and Behavior (3) COM 4022 Health Communication (3) COM 4020 Communication, Illness, Grief and Loss (3) ECP 3530 Economics of Health (3) WST 4320 The Politics of Women’s Health (3) CHI 3XXX Religion and Medicine in Ancient China (3) CLP 4143 Abnormal Psychology (3)

4. Justification of Requirements

Shortages of health care professionals continue to challenge academic institutions and health care organizations throughout the United States. There is currently a critical need for health care professionals in many categories. Universities in the SUS as well as private universities in the State and across the United States offer Health Science degrees. This major will serve a large population of students who want to pursue a career in health care but for whom a major requiring extensive basic sciences is not necessary.

Description of Major:

The Health Science major contains a core of lower-level courses from all four of the basic sciences. Additionally, the major requires a set of courses that explore ethical issues in health care as well as the diverse career options available in the health care field.

The electives are structured to cover two basic areas: biological and social/behavioral health. Electives are designed such that students will have an exposure not only to the biological basis of disease, but to the social and behavioral aspects of health care and treatment.
**REQUIRED PROGRAM CORE COURSES (16-18 HOURS)**

1. BSC1020 (The Biology of Humans) \textbf{or} BSC1005 (Principles of Biology For Non-Majors)
   
2. PHY2020 (Conceptual Physics)
   
3. CHM 2032 (Intro to Gen, Org, Biochemistry) \textbf{or} CHM2023 (Chemistry for Today)
   
4. MAC1105 (College Algebra) \textbf{or} MAC1147 (Precalculus Algebra and Trigonometry) \textbf{or} MAC2241 (Life Sciences Calculus I)
   
5. STA2023 (Introductory Statistics I) \textbf{or} PSY3204 Psychological Statistics

**Tier I required courses (12 hours)**

6. IDS2131 (Intro to Health Professions)

7. PHI3633 (Biomedical Ethics)

8. CLT 3040 Scientific and Medical Terminology

9. COM 2000 (Introduction to Communication) \textbf{or} PSY 2012 (Introduction to Psychological Science) \textbf{or} ANT 2511 (Biological Anthropology) \textbf{or} SYG 2000 (Introduction to Sociology)

**Tier II concentrations (12 hours in each concentration)**

**Biological Health Science**

- BSC 2085/6 Human Anatomy and Physiology
- PHY 3XXX Applications of Physics to Medical Diagnostics
- HSC 4554 Survey of Human Diseases
- ANT 2511 Biological Anthropology
- ANT 4520C Forensic Anthropology
- ANT 4462 Health, Illness and Culture
- BSC 3XXX Biology of Aging
- ZOO 4512 Sociobiology
- BMS 4402 Principles of Human Pharmacology
- NUR 4194 Interdisciplinary Perspective in HIV Disease
- CHI 3XXX Classical Chinese Medicine

**Social and Behavioral Health Science**

- SYO 4400 Medical Sociology
- PHI 3636 Professional Ethics
- SOP 4330 Social Psychology of HIV/AIDS
- NUR 4655 Cultural Diversity in Health Issues
- SYP 4550 Drugs and Society
- PSB 3444 Drugs and Behavior
- COM 4022 Health Communication
- COM 4020 Communication, Illness, Grief and Loss
- COM 4021 Family Comm. and End of Life
- SPC 4305 Communicating Emotions
- SPC 4930 Global and Cultural Health Comm
- SPC 4930 Communication and Aging
- COM 4702 Comm., Language & Mental Illness
- ECP 3530 Economics of Health
- WST 4320 The Politics of Women’s Health
- CHI 3XXX Religion and Medicine in Ancient China
- CLP4143 Abnormal Psychology