## FAS

## Health Sciences

**Director**: Eric Hall

Students **must** consult with their assigned advisor before they will be able to register for courses.

Health Sciences B.S.

Course Requirements

Choose concentration A, B, C, D, or E below

A.

Choose ONE from:

|  |  |  |  |
| --- | --- | --- | --- |
| ANTH 309 | Medical Anthropology | 4 | Alternate years |
| COMM 336 | Health Communication | 4 | Sp |
| GRTL 314 | Health and Aging | 4 | F, Sp, Su |
| HCA 201W | Introduction to Health Care Systems | 3 | F, Sp, Su |
| HPE 221 | Nutrition | 3 | F, Sp |
| HPE 303W | Research in Community and Public Health | 3 | F, Sp |
| HPE 307 | Introduction to Epidemiology | 3 | Annually |
| PHYS 110 | Introductory Physics | 4 | F, Sp, Su |
| SOC 314 | The Sociology of Health and Illness | 4 | Annually |

Subtotal: 47-49

Note: SOC 314 has a prerequisite of any 200-level sociology course or consent of the department chair.

B. Dental Hygiene Completion

Note: Prior dental hygienist licensure required for admission.

|  |  |  |  |
| --- | --- | --- | --- |
| BIOL 231 | Human Anatomy | 4 | F, Sp, Su |
| BIOL 335 | Human Physiology | 4 | F, Sp, Su |
| CHEM 105 | General, Organic and Biological Chemistry I | 4 | F, Sp, Su |
| CSCI 101 | Introduction to Computers | 3 | F, Sp, Su |
| HPE 233 | Social and Global Perspectives on Health | 3 | F, Sp, Su |
| HPE 307 | Introduction to Epidemiology | 3 | Annually |
| HSCI 402 | Current Topics in Dental Hygiene | 4 | As needed |
| HSCI 466 | Evidence-Based Decision Making for Dental Hygiene | 4 | As needed |
| HSCI 494W | Independent Study in Health Sciences | 4 | As needed |
| MATH 240 | Statistical Methods I | 4 | F, Sp, Su |
| PSYC 110 | Introduction to Psychology | 4 | F, Sp, Su |
| SOC 200 | Introduction to Sociology | 4 | F, Sp |
|  | Dental Hygiene Licensure Transfer Credits | 48 |  |

Subtotal: 93

C. Human Services

Either

|  |  |  |  |
| --- | --- | --- | --- |
| CHEM 103 | General Chemistry I | 4 | F, Sp, Su |
|  | -And- |  |  |
| CHEM 104 | General Chemistry II | 4 | Sp, Su |
|  |   |  |  |
|  | -Or- |  |  |
|  |   |  |  |
| CHEM 105 | General, Organic and Biological Chemistry I | 4 | F, Sp, Su |
|  | -And- |  |  |
| CHEM 106 | General, Organic, and Biological Chemistry II | 4 | F, Sp, Su |
|  |   |  |  |
| COMM 338 | Communication for Health Professionals | 4 | F |
| CSCI 101 | Introduction to Computers | 3 | F, Sp, Su |
| CSCI 102 | Computer Fundamentals for Cyber Security | 4 | F, Sp |
| HCA 201W | Introduction to Health Care Systems | 3 | F, Sp, Su |
| HCA 303W | Health Policy and Contemporary Issues | 3 | F, Sp |
| HPE 102 | Human Health and Disease | 3 | F, Sp, Su |
| HPE 233 | Social and Global Perspectives on Health | 3 | F, Sp, Su |
| HPE 307 | Introduction to Epidemiology | 3 | Annually |
| HSCI 105 | Medical Terminology | 2 | F, Sp |
| HSCI 232 | Human Genetics | 4 | F |
| HSCI 494W | Independent Study in Health Sciences | 4 | As needed |
| MGT 201W | Foundations of Management | 4 | F, Sp, Su |
| MATH 240 | Statistical Methods I | 4 | F, Sp, Su |
| PHIL 206 | Ethics | 3 | F, Sp |
| PSYC 110 | Introduction to Psychology | 4 | F, Sp, Su |

Subtotal: 81-88

D. Medical Laboratory Sciences

Subtotal: 88

E. Respiratory Therapy Completion

Note: Prior respiratory therapist licensure required for admission.

|  |  |  |  |
| --- | --- | --- | --- |
| BIOL 231 | Human Anatomy | 4 | F, Sp, Su |
| BIOL 335 | Human Physiology | 4 | F, Sp, Su |
| CHEM 105 | General, Organic and Biological Chemistry I | 4 | F, Sp, Su |
| CSCI 101 | Introduction to Computers | 3 | F, Sp, Su |
| HPE 233 | Social and Global Perspectives on Health | 3 | F, Sp, Su |
| HPE 307 | Introduction to Epidemiology | 3 | Annually |
| HSCI 232 | Human Genetics | 4 | F |
| HSCI 401 | Topics in Respiratory Therapy | 4 | Sp |
| HSCI 465 | Seminar in Respiratory Therapy | 4 | F |
| HSCI 494W | Independent Study in Health Sciences | 4 | As needed |
| MATH 240 | Statistical Methods I | 4 | F, Sp, Su |
| PSYC 110 | Introduction to Psychology | 4 | F, Sp, Su |
| SOC 200 | Introduction to Sociology | 4 | F, Sp |
|  | Respiratory Therapist Licensure Transfer Credits | 42 |  |

Subtotal: 91

FSEHD

Community and Public Health Promotion B.S.

Admission Requirements

1. Completion of 24 credits.

2. Minimum G.P.A. 2.75.

3. Completion of College Math Milestone.

4. Minimum grade of B in FYW 100.

5. Minimum of B- in HPE 102 and HPE 202.

6. Submission of HPE 202 Faculty Reference Form.

Retention Requirements

1. A minimum cumulative G.P.A. of 2.75 each semester.

2. A minimum grade of B- in all other required program courses, except for BIOL 108, BIOL 231, BIOL 240, BIOL 335, and PSYC 110 or PSYC 215, which, when needed, require a minimum grade of C.

Note: BIOL 108 fulfills the Natural Science category of General Education.

Note: BIOL 335 fulfills the Advanced Quantitative/Scientific Reasoning category of General Education.

Course Requirements

Core Foundation Courses

|  |  |  |  |
| --- | --- | --- | --- |
| BIOL 108 | Basic Principles of Biology | 4 | F, Sp, Su |
| BIOL 231 | Human Anatomy | 4 | F, Sp, Su |
| BIOL 240 | Biostatistics and Experimental Design | 4 | As needed |
| BIOL 335 | Human Physiology | 4 | F, Sp, Su |
| HPE 101 | Human Sexuality | 3 | F, Sp, Su |
| HPE 102 | Human Health and Disease | 3 | F, Sp, Su |
| HPE 202W | Community/Public Health and Health Promotion | 3 | F, Sp |
| HPE 221 | Nutrition | 3 | F, Sp |
| HPE 233 | Social and Global Perspectives on Health | 3 | F, Sp, Su |
| HPE 303W | Research in Community and Public Health | 3 | F, Sp |
| HPE 307 | Introduction to Epidemiology | 3 | Annually |
| HPE 410 | Managing Stress and Mental/Emotional Health | 3 | F, Sp |
|  |   |  |  |
| HPE 431 | Drug Education | 3 | F |
|  | -Or- |  |  |
| PSYC 217 | Drugs and Chemical Dependency | 4 | F, Sp |
|  |   |  |  |
| PSYC 110 | Introduction to Psychology | 4 | F, Sp, Su |
|  | -Or- |  |  |
| PSYC 215 | Social Psychology | 4 | F, Sp, Su |

Community and Public Health Minor

The minor in Community and Public Health Studies consists of 18-20 credit hours (6 courses), as follows:

Course Requirements

Foundation

|  |  |  |  |
| --- | --- | --- | --- |
| HPE 102 | Human Health and Disease | 3 | F, Sp, Su |
| HPE 202W | Community/Public Health and Health Promotion | 3 | F, Sp |
| HPE 307 | Introduction to Epidemiology | 3 | Annually |

Professional Courses

Wellness and Exercise Science B.S.

TWO COURSES from

|  |  |  |  |
| --- | --- | --- | --- |
| HPE 244 | Group Exercise Instruction | 3 | Sp |
| HPE 307 | Introduction to Epidemiology | 3 | Annually |
| HPE 308 | The Science of Coaching | 3 | Sp |
| HPE 310 | Strength and Conditioning for the Athlete | 3 | F |
| HPE 404 | School Health and Physical Education Leadership | 3 | Sp |
| HPE 408 | Coaching Applications | 3 | F |
| SOC 217 | Sociology of Aging | 4 | F, Sp, Su |

Total Credit Hours: 85-87

COURSE DESCRIPTIONS

HPE 305 - Advanced Prevention and Care of Athletic Injuries (3)

Preventative screening, pathomechanics of injury and evaluation techniques are analyzed. Relying heavily on the case-study approach, laboratory sessions include opportunities for supervised practice and the application of training procedures.

Prerequisite: HPE 201.

Offered: As needed.

HPE 307 - Introduction to Epidemiology (3)

This course provides students with an understanding of the basic concepts, principles and methods of epidemiology as applied to studies of both infectious and chronic diseases.

Prerequisite: Satisfaction of the college’s mathematics milestone.

Offered: Annually. Summer if needed as hybrid/online.

HPE 308 - The Science of Coaching (3)

Scientific aspects of coaching, motor skill acquisition, sport psychology and developmentally appropriate sport programs are analyzed. Emphasis is on coaching philosophy, methodology as well as ethics in coaching.

Prerequisite: HPE 205, HPE 243 and HPE 278, or consent of department chair.

Offered: Spring.