

**HEALTH SCIENCE (HLSC)**  
**ADVISING/WORK IN PROGRESS SHEET**  
(Effective Fall 2016)

**Effective Fall 1998 all courses in the HLSC major require a grade of "C" or better.**

**Students must complete 36 upper division units with the major.** (Courses in parentheses are prerequisites)

Total Units Required for BS Degree: 120

Total Units Required in Major: 58-62

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*Students wishing to become Health Science majors must complete the **required lower division courses** in area A (below) to be considered for admission to the program. Check the Department website for requirements, and it is highly recommended that interested students speak with a department advisor.*

**A. Required Lower Division Courses (16 units)**

- \_\_\_\_\_ (4) BIO 25 Human Anatomy & Physiology I
- \_\_\_\_\_ (4) BIO 26 Human Anatomy & Physiology II (BIO 25 or instructor permission)
- \_\_\_\_\_ (5) \*CHEM 6A Intro. to General Chemistry (One year high school algebra; high school chemistry strongly recommended)
- \_\_\_\_\_ (3) \*STAT 1 Introduction to Statistics (MATH 9 or three years of high school mathematics which includes two years of algebra and one year of geometry; completion of ELM requirement and the Intermediate Algebra diagnostic test)

**B. Required Upper Division Courses (12 units)**

- \_\_\_\_\_ (3) \*HLSC 114 Human Ecology and Health
- \_\_\_\_\_ (3) HLSC 118 Community Health (Must be a Health Science major or minor)
- \_\_\_\_\_ (3) HLSC 148 Epidemiology (STAT 1 or instructor permission)
- \_\_\_\_\_ (3) HLSC 195 Fieldwork (To be taken the semester of graduation. Requires permission of faculty advisor)

**C. Concentrations (30-34 units)**

Select **one** concentration from the following three options, in addition to requirements above.

**Community Health Education (30 units)**

- \_\_\_\_\_ (3) HLSC 100 Fundamentals of Safety and Health (Must be a Health Science major or minor)
- \_\_\_\_\_ (3) HLSC 112 Disease Prevention (Must be a Health Science major or minor)
- \_\_\_\_\_ (3) HLSC 116 Public Health Administration & Policy (Must be a Health Science or Gerontology major or minor)
- \_\_\_\_\_ (3) HLSC 119 Community Health Education (Must be a Health Science major or minor with a minimum "C" grade or better in HLSC 118 or have instructor permission)
- \_\_\_\_\_ (3) HLSC 122 Health Psychology (Must be a Health Science or Child Development major or minor)
- \_\_\_\_\_ (3) \*HLSC 124 Consumer Health Education
- \_\_\_\_\_ (3) \*HLSC 130 Alcohol and Other Drugs
- \_\_\_\_\_ (3) HLSC 144 Community Health Planning and Evaluation (HLSC 118, HLSC 148; GVAR certification before Fall 09, or WPJ score of 80+, or 3-unit placement in ENGL 109 M/W, or 4-unit placement in ENGL 109 M/W and co-enrollment in ENGL 109X or WPJ score 70/71 and ENGL 109X or instructor permission)
- \_\_\_\_\_ (3) HLSC 147 Health Data Analysis (STAT 1, HLSC (Health Ed) majors only)

**Select one of the following courses for 3 units:**

- \_\_\_\_\_ (3) HLSC 117 Global Health (Must be a Health Science major or minor)
- \_\_\_\_\_ (3) \*HLSC 134 Human Sexuality
- \_\_\_\_\_ (3) HLSC 150 Aging and Health

### **Health Care Administration (30 units)**

- \_\_\_\_\_ (3) ACCY 1 Accounting Fundamentals (Entry Level Math (ELM) test of at least 36 or a CR grade in MLSK 7A)
- \_\_\_\_\_ (3) \*ECON 1A Intro. to Macroeconomic Analysis **OR** ECON 1B Intro. to Microeconomic Analysis
- \_\_\_\_\_ (3) HLSC 116 Public Health Administration and Policy (Must be a Health Science or Gerontology major or minor)
- \_\_\_\_\_ (3) HLSC 144 Community Health Planning and Evaluation (HLSC 118, HLSC 148; GEAR certification before Fall 09, or WPJ score of 80+, or 3-unit placement in ENGL 109 M/W, or 4-unit placement in ENGL 109 M/W and co-enrollment in ENGL 109X or WPJ score 70/71 and ENGL 109X or instructor permission)
- \_\_\_\_\_ (3) MGMT 102 Business Communications (Completion of Area A in General Education and ENGL 20; COMS 2 and COMS 4 recommended) **OR** COMS 103 Presentational Speaking in the Organization (A general education oral communication course.)
- \_\_\_\_\_ (3) MKTG 160 Principles of Quality Management

### **Organizational Behavior Competencies. Select two courses from the following for 6 units:**

- \_\_\_\_\_ (3) DS 101 Data Analysis for Managers (MATH 24, STAT 1)
- \_\_\_\_\_ (3) HLSC 152 Health Care Systems and Operations (Health Science majors and minors only; or instructor permission)
- \_\_\_\_\_ (3) HROB 101 The Management of Contemporary Organizations
- \_\_\_\_\_ (3) HROB 151 Management of Human Resources
- \_\_\_\_\_ (3) HROB 159 Special Topics in Organizational Behavior
- \_\_\_\_\_ (3) PSYCH 108 Organizational Psychology

### **Ethical issues in healthcare. Select two courses from the following for 6 units:**

- \_\_\_\_\_ (3) COMS 116 Intercultural Communications
- \_\_\_\_\_ (3) COMS 161 Health Communications
- \_\_\_\_\_ (3) HLSC 151 Introduction to US Healthcare (ACCY 1, ECON 1A or 1B; HLSC majors only or instructor permission)
- \_\_\_\_\_ (3) PHIL 104 Bioethics
- \_\_\_\_\_ (3) PHIL 102 Professional and Public Service Ethics
- \_\_\_\_\_ (3) SWRK 151 Health Services and Systems

### **Occupational Health and Safety (30-34 units)**

- \_\_\_\_\_ (5) \*CHEM 6B Introduction to Organic and Biological Chemistry (CHEM 1A or CHEM 6A or a high school chemistry course and passing a qualifying exam given in the first laboratory period) **OR** (3) CHEM 20 Organic Chemistry (CHEM 1B)
- \_\_\_\_\_ (3) HLSC 100 Fundamentals of Safety and Health (Must be a Health Science major or minor)
- \_\_\_\_\_ (3) HLSC 106 Occupational Health (Health Science majors and minors only; or instructor permission)
- \_\_\_\_\_ (3) HLSC 107 Occupational Safety (Health Science majors and minors only; or instructor permission)
- \_\_\_\_\_ (3) HLSC 108 Occupational Health and Safety: Laws and Regulations (Health Science majors and minors only; or instructor permission)
- \_\_\_\_\_ (3) HLSC 109 Cause and Control of Loss (Health Science majors and minors only; or instructor permission)

### **Select one course from the following for 3 units:**

- \_\_\_\_\_ (3) HLSC 116 Public Health Administration & Policy (Must be a Health Science or Gerontology major or minor)
- \_\_\_\_\_ (3) HLSC 122 Health Psychology (Must be a Health Science or Child Development major or minor)

### **Select three courses from the following for 9-11 units:**

- \_\_\_\_\_ (4) BIO 139 General Microbiology (BIO 10 or both BIO 1 and BIO 2; CHEM 20 or CHEM 24)  
(Lower division microbiology may be substituted with advisor's approval.)
- \_\_\_\_\_ (3) ENVS 130 Environmental Toxicology (CHEM 1A or CHEM 6A or instructor permission)
- \_\_\_\_\_ (3) FINC 138 Principles of Risk Management and Insurance
- \_\_\_\_\_ (3) \*PHYS 10 Physics in Our World **OR** (4) PHYS 5A General Physics: Mechanics, Heat, Sound (Recently completed three years of high school algebra and geometry; and a college course in algebra and trigonometry (MATH 9 recommended) for those having an inadequate mathematics background)

#### **\* Fulfills General Education Requirement**

**Advising:** It will be necessary to work very closely with an advisor to complete the BS degree in a timely manner. Therefore, the HLSC faculty strongly recommends that all HLSC students consult with an advisor prior to enrollment for any course. This procedure should be followed each semester.

**Foreign Language:** Students graduating with a BS in Health Science (all concentrations) will not be subject to the University's Foreign Language Graduation Requirement. Students who change major may be subject to the University's Foreign Language Graduation Requirement.