

# HEALTH SCIENCES, BSHS

## Program Description

Program Closure Date: 14 August 2023. Last term students can complete the Health Science Major: Summer 2023.

Effective start date of Healthcare Administration Major: Fall 2020.

Students may remain in the HLSC degree program or transfer to the Bachelor of Science in Healthcare Administration Program (BSHA) which begins Fall 2020. Intent to transfer must be made to advising by 1 March 2020.

Date the program provider will cease recommending candidates to the BSHS degree program: 1 December 2019.

The Bachelor of Science in Health Sciences (BSHS) prepares graduates for a variety of career opportunities in the health care field by providing the management skills necessary for success. By designing a degree plan using electives in such areas as computer science, geographic information systems, mathematics, business administration, accounting, international business, and information systems, the student may pursue specific areas of interest. Students can also use electives to design a degree plan that will satisfy entrance requirements for admission to professional schools such as medicine, dentistry, physical therapy, public health, law, and business.

## Student Learning Outcomes

Students will:

- Demonstrate a thorough understanding of the theoretical and practical aspects of the health care delivery system from a historical, comparative, economic, cultural, and ethical perspective.
- Employ a variety of business and management skills and techniques including marketing, financial management, law, and information management to effectively and efficiently advance the goals of the organization.
- Demonstrate creativity in defining, negotiating, and solving problems.
- Communicate and educate, using the most current information and communication technology.

## Program Requirements

All of the following requirements **must** be completed and turned into the appropriate personnel **before** the practicum is begun. Students who do not have the following completed will not be able to participate in HLSC 4680 Practicum (6 sch):

- City Wide Orientation Completion Date and/or Hospital Orientation Date
- Immunization Record
- Background Investigation

## General Requirements

Requirements	Credit Hours
Core Curriculum Program ( <a href="http://catalog.tamucc.edu/undergraduate/university-college/programs/core-curriculum-program/">http://catalog.tamucc.edu/undergraduate/university-college/programs/core-curriculum-program/</a> ) <sup>1</sup>	42

First-Year Seminars (when applicable)	0-2
Health Science Support Courses/ Minor <sup>1</sup>	37-40
Health Science Major Requirements	36
<b>Total Credit Hours</b>	<b>115-120</b>

<sup>1</sup> Students must have all core curriculum and Health Science supporting courses completed before starting Health Science courses.

## Program Requirements

Code	Title	Hours
<b>Core Curriculum Program</b>		
University Core Curriculum		42
<b>Health Science Major Requirements</b>		
HLSC 3300	The Health Care System *	3
HLSC 3310	Epidemiology ^	3
HLSC 3320	HEALTH CARE MARKETING ^	3
HLSC 3330	Financial Management in Health Care ^	3
HLSC 3340	Health Program Planning and Evaluation ^	3
HLSC 3350	Information Systems and Technology in Health Care ^	3
HLSC 3370	COMPLEMENTARY AND ALTERNATIVE MEDICINE ^	3
HLSC 4300	MANAGEMENT AND ORGANIZATION BEHAVIOR IN HEALTH CARE ^	3
HLSC 4310	Health Law ^	3
HLSC 4340	QUALITY MANAGEMENT AND EVALUATION IN HEALTH CARE ^	3
HLSC 4680	Practicum	6
<b>Specialization Area</b>		
Students may complete a designated minor in the following areas:		18-22
Geographic Information Systems (22 sem. hrs.)		
Computer Science (22 sem. hrs.)		
Mathematics (18 sem. hrs.)		
Business Administration (18 sem. hrs.)		
Accounting (18 sem. hrs.)		
Economics (18 sem. hrs.)		
International Business (18 sem. hrs.)		
Management Information Systems (18 sem. hrs.)		
<b>Total Hours</b>		<b>96-100</b>

\* Online offering

^ Blended offering

With approval, students can design a degree plan with an interdisciplinary area of specialization (22 hrs) or use electives to satisfy pre-professional school requirements.

## Courses

### **HLSC 3300 The Health Care System**

#### **3 Semester Credit Hours (3 Lecture Hours)**

ADDRESSES HOW THE U.S. HEALTH SERVICES SYSTEM IS ORGANIZED, HOW HEALTH SERVICES ARE DELIVERED, AND THE MECHANISMS BY WHICH HEALTH SERVICES ARE FINANCED IN THE UNITED STATES. PROVIDES AN UNDERGRADUATE LEVEL OVERVIEW OF THE U.S. HEALTH SERVICES SYSTEM AND ITS KEY COMPONENTS, INCLUDING HEALTH SYSTEM RESOURCES, HEALTH SYSTEM FOUNDATIONS, HEALTH SYSTEM RESOURCES, HEALTH SYSTEM PROCESSES, AND HEALTH SYSTEM OUTCOMES. SHOULD BE TAKEN DURING FIRST SEMESTER OF HEALTH SCIENCES COURSES. CROSS LISTED WITH HCAD 3300.

### **HLSC 3310 Epidemiology**

#### **3 Semester Credit Hours (3 Lecture Hours)**

APPLICATION OF EPIDEMIOLOGIC METHODS AND PROCEDURES TO THE STUDY OF THE DISTRIBUTION AND DETERMINANTS OF HEALTH AND DISEASES, MORBIDITY, INJURIES, DISABILITY, AND MORTALITY IN POPULATIONS. EPIDEMIOLOGIC METHODS FOR THE CONTROL OF CONDITIONS SUCH AS INFECTIOUS AND CHRONIC HEALTH HAZARDS, AND UNINTENTIONAL INJURIES ARE DISCUSSED. OTHER TOPICS INCLUDE QUANTITATIVE ASPECTS OF EPIDEMIOLOGY, FOR EXAMPLE, DATA SOURCES, MEASURES OF MORBIDITY AND MORTALITY, EVALUATION OF ASSOCIATION AND CAUSALITY, AND STUDY DESIGN. CROSS LISTED WITH HCAD 3310.

### **HLSC 3320 HEALTH CARE MARKETING**

#### **3 Semester Credit Hours (3 Lecture Hours)**

AN INTRODUCTORY STUDY OF THE ESSENTIALS OF MARKETING WITHIN THE DYNAMICALLY EVOLVING HEALTH CARE SYSTEM CROSS LISTED WITH HCAD 3320.

### **HLSC 3330 Financial Management in Health Care**

#### **3 Semester Credit Hours (3 Lecture Hours)**

INTRODUCTION TO HEALTH CARE FINANCIAL MANAGEMENT INCLUDING SELECTED TOPICS FROM FINANCIAL ACCOUNTING, MANAGEMENT ACCOUNTING, FINANCE, INTERNAL AUDIT AND PERSONAL FINANCE. HEALTH CARE PAYMENT AND CLASSIFICATION SYSTEMS WILL BE STUDIED AND PRACTICAL APPLICATIONS WILL BE EMPHASIZED. CROSS LISTED WITH HCAD 3330.

### **HLSC 3340 Health Program Planning and Evaluation**

#### **3 Semester Credit Hours (3 Lecture Hours)**

INTRODUCTION TO THE SKILLS AND TECHNIQUES REQUIRED TO RESEARCH AND DEVELOP CULTURALLY COMPETENT HEALTH PROGRAMS. STUDENTS WILL GAIN A BASIC UNDERSTANDING OF HOW TO UTILIZE EXISTING DATA TO ASSESS COMMUNITY NEEDS, IMPLEMENT COMMUNITY HEALTH PROGRAMS, AND EVALUATE PROGRAM EFFECTIVENESS, EXPLORING THE CONCEPTS, PROCESSES AND TECHNIQUES USED IN HEALTH PROGRAM PLANNING, IMPLEMENTATION, AND EVALUATION. THE COURSE WILL EMPHASIZE THE IMPORTANCE OF TEAMS AND PARTNERSHIPS IN SUCCESSFUL COMMUNITY HEALTH PROGRAMS. CROSS LISTED WITH HCAD 3340.

**Prerequisite:** MATH 1442 and 1342 or MATH 2342.

### **HLSC 3350 Information Systems and Technology in Health Care**

#### **3 Semester Credit Hours (3 Lecture Hours)**

PROVIDES AN OVERVIEW OF THE ROLE TECHNOLOGY PLAYS IN MANAGEMENT OF HEALTH CARE INFORMATION. EMPHASIS IS PLACED ON SYSTEM ANALYSIS, TECHNIQUES, AND SKILLS USED IN INFORMATION MANAGEMENT. CROSS LISTED WITH HCAD 3350.

### **HLSC 3360 Health Education and Promotion**

#### **3 Semester Credit Hours (3 Lecture Hours)**

THIS COURSE PROVIDES AN INTRODUCTION TO THE DISCIPLINE AND PROFESSION OF HEALTH EDUCATION AND PROMOTION. IT EXAMINES THE CONCEPTS OF HEALTH AND WELLNESS, THE NATIONAL AND GLOBAL HEALTH STATUS, THEORIES OF BEHAVIOR CHANGE, AND THE IMPLEMENTATION AND ASSESSMENT OF HEALTH PROMOTION INTERVENTIONS. CROSS LISTED WITH HCAD 3360.

### **HLSC 3370 COMPLEMENTARY AND ALTERNATIVE MEDICINE**

#### **3 Semester Credit Hours (3 Lecture Hours)**

INTRODUCTION TO COMPLEMENTARY AND ALTERNATIVE MEDICINE WITH AN EMPHASIS ON RELATED ECONOMIC, POLITICAL, LEGAL, AND SOCIAL ISSUES. CROSS LISTED WITH HCAD 3370.

### **HLSC 4100 Assessment of Accumulated Knowledge**

#### **1 Semester Credit Hour (1 Lecture Hour)**

THIS COURSE PROVIDES AN ASSESSMENT OF STUDENT KNOWLEDGE GARNERED FROM HEALTH SCIENCE PROGRAM COURSE WORK. IT ALSO PREPARES STUDENTS FOR THE CAPSTONE PRACTICUM COURSE. CROSS LISTED WITH HCAD 4100.

### **HLSC 4300 MANAGEMENT AND ORGANIZATION BEHAVIOR IN HEALTH CARE**

#### **3 Semester Credit Hours (3 Lecture Hours)**

INTRODUCTION TO PRINCIPLES OF MANAGEMENT AND ORGANIZATION BEHAVIOR IN HEALTHCARE WITH EMPHASIS ON HUMAN RESOURCE MANAGEMENT TOPICS AND ISSUES. CROSS LISTED WITH HCAD 4300.

### **HLSC 4310 Health Law**

#### **3 Semester Credit Hours (3 Lecture Hours)**

INTRODUCTION TO LAW AND THE LEGAL SYSTEM WITH SPECIAL EMPHASIS ON HEALTH RELATED TOPICS INCLUDING QUARANTINE AND KEY HEALTH LAW ISSUES. CROSS LISTED WITH HCAD 4310.

### **HLSC 4320 Project Management in Healthcare**

#### **3 Semester Credit Hours (3 Lecture Hours)**

THIS COURSE INTRODUCES THE FUNDAMENTAL PROJECT MANAGEMENT CONCEPTS REQUIRED TO DESIGN, DEVELOP AND DEPLOY PROJECT PLANS SUCCESSFULLY WITHIN THE HEALTHCARE INDUSTRY. THE MANAGEMENT OF RESOURCES, SCHEDULES, RISKS, AND SCOPE OF A PROJECT ARE EXAMINED FOR SUCCESSFUL PROJECT IMPLEMENTATION. STUDENTS ARE EXPOSED TO THE ROLE OF HEALTHCARE PROJECT MANAGERS AND THE PROJECT MANAGEMENT PROCESS AS THEY PROVIDE STRUCTURE AND OVERSIGHT TO THE CONSTANTLY GROWING AND CHANGING HEALTHCARE INDUSTRY. CROSS LISTED WITH HCAD 4320.

### **HLSC 4330 Human Resource Management in Healthcare**

#### **3 Semester Credit Hours (3 Lecture Hours)**

THIS COURSE PRESENTS THE FOUNDATIONAL CONCEPTS OF HEALTHCARE HUMAN RESOURCE MANAGEMENT. STUDENTS ARE INTRODUCED TO FUNDAMENTAL HUMAN RESOURCE MANAGEMENT TECHNIQUES NEEDED WITHIN HEALTH ORGANIZATIONS INCLUDING LEADERSHIP, WORKFORCE PLANNING, RECRUITMENT, EMPLOYEE SELECTION, COMPENSATION, EMPLOYEE DEVELOPMENT, WORKLOAD MANAGEMENT, HUMAN RESOURCE LAW, AND ETHICS. FUTURE HEALTHCARE MANAGEMENT AND LEADERSHIP PROFESSIONALS MUST UNDERSTAND THESE CONCEPTS TO COMPLY WITH HUMAN RESOURCE DEPARTMENT POLICIES AND SUPPORT THE STRATEGIC PLAN. CROSS LISTED WITH HCAD 4330.

**HLSC 4340 QUALITY MANAGEMENT AND EVALUATION IN HEALTH CARE****3 Semester Credit Hours (3 Lecture Hours)**

INTRODUCTION TO PRINCIPLES OF QUALITY ASSESSMENT AND OUTCOME MANAGEMENT IN HEALTHCARE ORGANIZATIONS. CROSS LISTED WITH HCAD 4340.

**HLSC 4390 Selected Topics in Health Science****1-3 Semester Credit Hours (1-3 Lecture Hours)**

SELECTED TOPICS FOR SPECIAL STUDY RELATED TO HEALTH SCIENCE ISSUES. MAY BE REPEATED FOR CREDIT WHEN TOPICS VARY. NOT REQUIRED FOR THE BSHS BUT MAY BE USED TO FULFILL ELECTIVE REQUIREMENT.

**HLSC 4396 Directed Independent Study****1-3 Semester Credit Hours**

COURSE NOT REQUIRED FOR THE BSHS BUT MAY BE USED TO FULFILL ELECTIVE REQUIREMENT.

**HLSC 4680 Practicum****6 Semester Credit Hours (1 Lecture Hour, 15 Lab Hours)**

THE HEALTH SCIENCE PRACTICUM IS AN INSTITUTION-BASED PROJECT COURSE REQUIRING THE STUDENT TO COMPLETE ON-SITE PRACTICUM HOURS. IT PROVIDES A STRUCTURED AND GUIDED LEARNING ENVIRONMENT TO HELP STUDENTS MAKE THE MOST OF THEIR PRACTICUM EXPERIENCE. COURSE COMPONENTS FACILITATE STUDENTS' PROFESSIONAL DEVELOPMENT, FOCUSING ON THE TRANSITION FROM THE ROLE OF A STUDENT TO THE ROLE OF A HEALTHCARE PROFESSIONAL. PREREQUISITES: COMPLETION OF 3000 LEVEL COURSES OR LAST SEMESTER OF ENROLLMENT. CROSS LISTED WITH HCAD 4680.