



**2023**

**HEALTH SCIENCE  
CURRICULUM  
FACETS**

**BACCALAUREATE DEGREE**

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### **Facet 1: Foundation of Health and Healthcare - Mandatory**

Upon completion of the Health Science baccalaureate program, undergraduate students will be able to:

- Apply knowledge of life sciences, such as human anatomy, physiology, and biology, as appropriate to the concentration, track, or discipline.
- Apply knowledge of physical science related to health and well-being and healthcare such as chemistry and physics, as appropriate to the concentration, track, or discipline.
- Apply social, behavioral, and psychological models and theories.
- Use and apply knowledge of medical terminology.

#### **Communication Skills**

- Demonstrate clear and concise written and oral communication to ensure accurate interpretation of information.

#### **Statistics**

- Calculate descriptive and inferential statistics and solve fundamental statistical problems.

## Facet 2: Healthcare Delivery and Environment - **Mandatory**

Upon completion of the Health Science baccalaureate program, undergraduate students will be able to:

### **US Legal System**

- Apply knowledge of US legal system and legislative processes.
- Identify legislation, regulations, regulatory standards, and judicial processes that impact healthcare systems and processes. Topics may include informed consent, negligence, EMTALA, advance directives, legal reporting, fraud, and abuse.
- Apply knowledge of the purpose and applicability of the Health Insurance Portability and Accountability Act (HIPAA) including the HIPAA Privacy Rule, HIPAA Security Rule, and HIPAA Administrative Rules.
- Follow regulations for the management and protection of patient health information.

### **Healthcare Technology**

- Examine digital and technical platforms and tools used in healthcare operations including fiscal, clinical, and regulatory processes.
- Explore advanced technologies that impact future healthcare systems and operations.

### **Healthcare delivery systems**

- Assess the characteristics of the United States healthcare system.

### **Ethics & Professionalism**

- Apply ethical framework and principles and exhibit professionalism.
- Use bioethical framework to identify and manage ethical dilemmas and issues.
- Demonstrate interprofessional collaboration and knowledge of health professionals' scope of practice.

### **Facet 3: Operations & Leadership – Option 1**

Upon completion of the Health Science baccalaureate program, undergraduate students will be able to:

#### **Healthcare Leadership and Operations Management**

- Identify and compare various leadership theories in healthcare setting situations.
- Apply leadership concepts and skills used in healthcare.
- Explore change management and project management strategies and tools to facilitate change in healthcare.

#### **Cultural Humility**

- Demonstrate self-awareness to foster cultural humility.
- Identify the barriers to equitable delivery and access to healthcare and consider their impact on patient outcomes.

#### **Quality Management**

- Analyze tools, concepts, and methodologies used in a quality improvement environment (policies, procedures, and initiatives).

#### **Data Systems**

- Apply knowledge of data definitions, structures, storage, data administration, and database management systems.
- Identify basic knowledge of data management strategies that promote security, compliance, and patient data protection.

#### **Facet 4: Community, Public Health, and Population – Option 2**

Upon completion of the Health Science baccalaureate program, undergraduate students will be able to:

##### **Community Health and Wellness**

- Define health and wellness and examine the way various professions consider health promotion at the individual and population levels.
- Determine methods to improve access to care and health literacy.
- Analyze the value of community health programs.
- Demonstrate awareness of the social and behavioral determinants of health and their impact on access to health and healthcare.

##### **Epidemiology/ Population Health**

- Identify cause and risk factors of disease including the impact of the environment on health.
- Determine the extent, patterns, and trends of health and disease.

##### **Evidence-Based Care/Research**

- Identify evidence-based methods that foster health and well-being through education, research, and the promotion of best practices.
- Apply knowledge of various types and methods of research to collect, analyze, and synthesize data related to health and wellness issues.

##### **Policy & Advocacy**

- Explain the influences of various constituencies on healthcare policy.
- Advocate for health resources and services to benefit patients, the population, and the organization.

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