

## Health Sciences Foundations – Certificate (HESC.CERT)

This program helps students acquire basic knowledge and skills in math, foundational sciences, healthcare terminology and general education courses. It provides students applying for a high demand healthcare associate degree program with a certificate for the completion of most general education and/or pre-admission course requirements of the intended program. Students who plan to enter a healthcare program are encouraged to work with a student success navigator to develop a plan.

***\*Completion of this certificate does not guarantee completion of all desired program prerequisites and does not guarantee admission into the desired program. Students will work with their student success navigator on a program plan.***

*Minimum credits: 30*

*Minimum cumulative GPA: 2.0*

*Minimum grade in all courses: 2.0*

*Minimum Jackson College credits: 15*

### General Education Requirements (17 credits)

**Take the following:**

ENG 131 Writing Experience I  
MAT 130 Quantitative Reasoning or higher\*  
PSY 140 Introduction to Psychology

***\*Math course selection will be based on program goals***

**Choose one of the following:**

PSY 140 Introduction to Psychology  
PSY 152 Social Psychology

**Choose one of the following:**

***\*If not selecting BIO 132, take both BIO 253 & BIO 254 to satisfy requirements.***

BIO 132 Human Biology

BIO 253 Human Anatomy & Physiology I AND

BIO 254 Human Anatomy & Physiology II

***\*Biology course selection will be based on program goals***

**Choose one focus, based on program goals:**

**NURSING FOCUS (choose at least 13 credits from the following):**

*\*If you choose to take an English class, you only need to take one of the following (ENG 132, ENG 232 OR ENG 201)*

NRS	145	Normal/Therapeutic Nutrition
BIO	220	Microbiology
ENG	132	Writing Experience II
ENG	232	Technical and Business Writing
ENG	201	Advanced Composition
CEM	131	Fundamentals of Chemistry
PSY	252	Developmental Psychology
SEM	140	Seminar in Life Pathways
HUM	131	Cultural Connections or other GEO 6 course

**SONOGRAPHY FOCUS (choose at least 13 credits from the following):**

DMS	100	Introduction to Diagnostic Imaging
DMS	104	Introduction to Sonographic Instrumentation
HOC	130	Introduction to Health Occupations
MOA	120	Medical Terminology
PHY	145	Introduction to Basic Physics
COM	250	Intercultural Communication
SEM	140	Seminar in Life Pathways
HUM	131	Cultural Connections or other GEO 6 course

**RADIOGRAPHY FOCUS (choose at least 13 credits from the following):**

*\*If you choose to take an English class, you only need to take one of the following (ENG 132 OR ENG 232)*

DMS	100	Introduction to Diagnostic Imaging
HOC	130	Introduction to Health Occupations
MOA	120	Medical Terminology
COM	250	Intercultural Communication
SEM	140	Seminar in Life Pathways
ENG	132	Writing Experience II OR
ENG	232	Technical and Business Writing
HUM	131	Cultural Connections or other GEO 6 course

**RESPIRATORY CARE FOCUS (choose at least 13 credits from the following):**

CEM	131	Fundamentals of Chemistry
MOA	120	Medical Terminology
SEM	140	Seminar in Life Pathways
RES	101	Introduction to Respiratory Care
HOC	130	Introduction to Health Occupations

PHL	236	Ethics
HUM	131	Cultural Connections

**Dental Hygiene Focus (Choose at least 13 credits from the following):**

*\*If you choose to take a Chemistry class, you only need to take one of the following (CEM 131 OR CEM 141)*

BIO	220	Microbiology
COM	250	Intercultural Communication
CEM	131	Fundamentals of Chemistry OR
CEM	141	General Chemistry I
HIS	211	Minority Groups in America
SEM	140	Seminar in Life Pathways
MOA	120	Medical Terminology
HOC	130	Intro to Health Occupations
HUM	131	Cultural Connections or other GEO 6 course

**SURGICAL TECH FOCUS (choose at least 13 credits from the following):**

SUR	101	Intro to Surgical Technology
BIO	220	Microbiology
COM	250	Intercultural Communication
MOA	112	Medical Law and Ethics
MOA	120	Medical Terminology
HUM	131	Cultural Connections or GEO 6 Elective
SEM	140	Seminar in Life Pathways
HOC	110	Advanced First Aid and CPR