

---

## Health and Pre-Professional Science – Associate in Applied Science (HPPS.AAS)

The Health and Pre-Professional Science Degree is designed to serve students preparing for transfer into bachelor's programs across a wide range of health-related fields, including Public Health, Health Informatics, Pre-Physician Assistant, Health Administration, and Allied Health. This degree also supports students who wish to earn college credit for health-related credentials such as Medical Assistant, Emergency Medical Technician, or other Nursing and Allied Health fields, either through Jackson College programs or transfer of prior learning.

### Students can follow one of two flexible pathways:

- **Transfer-Focused Track** – Designed for students who plan to transfer to a university to pursue a bachelor's degree in a health related field. This pathway aligns with Michigan Transfer Agreement (MTA) guidelines and includes core science, math, and general education courses required by most health-related programs.
- **Credential-Embedded Track** – Allows students to integrate prior or concurrent completion of health-related certificate programs (such as EMT or Medical Assistant) as part of their elective credit toward the associate degree. Students in this track may choose to enter the workforce while still pursuing their transfer goals.

The degree provides a strong academic foundation while allowing students to tailor their learning around career goals, professional credentialing, and university transfer. All students complete general education and science-based core courses, along with guided health electives.

*Minimum credits: 60*

*Minimum cumulative GPA: 2.0*

*Minimum grade in all courses: 2.0*

### GENERAL EDUCATION REQUIREMENTS (20 to 24 CREDITS)

#### **GEO 1: Write clearly, concisely and intelligibly (3 credits)**

##### **Choose one of the following:**

- |     |     |                       |
|-----|-----|-----------------------|
| ENG | 131 | Writing Experience I  |
| ENG | 132 | Writing Experience II |

#### **GEO 2: Recognize the importance of effective communication in a dynamic and changing society (3 credits)**

##### **Choose one of the following:**

- |     |     |                             |
|-----|-----|-----------------------------|
| COM | 231 | Communication Fundamentals  |
| COM | 240 | Interpersonal Communication |
| COM | 250 | Intercultural Communication |

### **GEO 3: Demonstrate computational skills and mathematical reasoning (4 credits)**

#### **Choose one of the following:**

MAT	130	Quantitative Reasoning
MAT	133	Probability and Statistics
MAT	139	College Algebra
MAT	141	Pre-Calculus
MAT	151	Calculus I

### **GEO 4: Demonstrate scientific reasoning (4-8 credits)**

#### **Choose one of the following:**

BIO	132	Human Biology (Preferred)
BIO	253/254	Human Anatomy and Physiology I/Human Anatomy and Physiology II
NSC	131	Contemporary Science

### **GEO 5: Understand human behavior and social systems, and the principles that govern them (3 credits)**

#### **Choose one of the following:**

PSY	140	Introduction to Psychology
PSY	152	Social Psychology

### **GEO 6: Identify artistic, linguistic, and theoretical perspectives across the human experience (3 credits)\*\***

#### **Choose one of the following:**

ART	111	Art History: Prehistoric to 1400
ART	112	Art History: Renaissance to Present
HUM	131	Cultural Connections
MUS	131	Understanding Music
PHL	231	Introduction to Philosophy
THR	116	Introduction to Theater

## **HEALTH SCIENCES CORE REQUIREMENTS (3 to 12 CREDITS)**

#### **Choose 3 – 12 credits from the following:**

EMS	116	Medical First Responder *
EMS	124	Emergency Medical Technician-Basic *
HOC	135	EKG Technician *
HOC	145	Phlebotomy Technician*
BIO	220	Microbiology
DMS	100	Introduction to Diagnostic Imaging
DMS	104	Introduction to Sonographic Instrumentation
HOC	110	Advanced First Aid and CPR
HOC	130	Introduction to Health Occupations
MED	125	Intro to Body Systems
MED	132	Foundations of Clinical Practice
MOA	112	Medical Law and Ethics
MOA	120	Medical Terminology

NRS	145	Normal/Therapeutic Nutrition
PHY	145	General Physics
PPA	101	Intro to Pre-Physician Assistant
RES	101	Introduction to Respiratory Care
SUR	101	Introduction to Surgical Technology

***(Courses marked with an asterisk may lead to a stackable credential.)***

## **HEALTH SCIENCES ELECTIVES (Up to 34 credits)**

**Choose one track**

### **Option A: University Transfer Electives**

**Choose from:**

BIO	161	General Biology
BIO	162	General Biology II
CEM	131	Fundamentals of Chemistry
CEM	132	Fundamentals of Organic and Biological Chemistry
CEM	141	General Chemistry I
CEM	142	General Chemistry II
CEM	241	Organic Chemistry
ENG	132	Writing Experience II
ENG	201	Advanced Composition *
ENG	249	African American Literature *
MAT	141	Pre-Calculus
MAT	151	Calculus I
MAT	152	Calculus II
PHY	231	College Physics I <b>OR</b> PHY 251 Modern University Physics I
PHY	232	College Physics II <b>OR</b> PHY 252 Modern University Physics II

**\* Required for the GVSU RN-BSN program**

### **Option B: Industry Credentials (Credit for Prior Learning) or Certificate Programs**

Up to 34 credits may come from approved third party certifications and/or licenses (students may submit multiple certifications/licenses if applicable) or by completing any of the certificates listed below. Certifications/licenses must be submitted to the Program Director for credit approval and determination.

- EMT Basic Certificate (13 credits total)
- Medical Assistant Certificate (34 credits total)
- Medical Office Support Certificate (18 credits total)
- Practical Nursing (33 credits total)
- Professional Medical Biller Certificate (21 credits total)
- Professional Medical Coder Certificate (21 credit total)

***If the full 34 credits are not met by the above, students may choose additional classes from Transfer Electives, Health Science Core, or Honors Leadership.***

## **HONORS LEADERSHIP ELECTIVES (18 credits)**

Students looking to continue their education in a leadership or management role, may apply to the Honors Leadership Program to be eligible to take the courses listed below.

HNL	150	Intro to Honors
HNL	200	Leadership Foundations for Community Impact
HNL	250	Community Leadership in Action
HNL	300	Honors Leadership Capstone
PSY	152	Social Psychology
PSY	344	Organizational Psychology and Leadership