

Associate in Science Degree**Major: ASSOCIATE IN SCIENCE - HEALTH SCIENCE CAREER PATH**

Students who are interested in a Health Science career may enroll in the Associate in Science - Health Science Emphasis program in order to select the courses they will need for admission into the Health Science programs of their choice. When students apply for admission into this degree program, they select among concentrations: Nursing Preparation (NUR), Practical Nursing (LPN), Dental Hygiene Preparation (DHG), Radiology Preparation (RAD), Physical Therapist Preparation (PTA), or Surgical Technology Preparation (SUR).

Students who are interested in this degree program should contact their Academic Advisors for assistance in course selection. Please note that selecting a concentration is for advising purposes only and does not imply automatic acceptance into that specific limited-enrollment program.

For more information about Health Science Admissions visit: www.hgtc.edu/healthscience

CURRICULUM SEQUENCE

Students should complete the courses required for admission and general education requirements (below) and may enroll in the remaining courses required for Associate in Science, Health Science Emphasis in preparation for admission to the Health Science program concentration.

GENERAL EDUCATION REQUIREMENTS**English Composition and Speech**

ALL of the following **MUST** be completed:

| | | |
|----------------------------------|------------------------|----------|
| ENG 101 | English Composition I | 3 |
| ENG 102 | English Composition II | 3 |
| SPC 205 | Public Speaking | 3 |
| Total Credit Hours Needed | | 9 |

Natural Sciences/Mathematics

TWO courses to be chosen from the following courses (may not repeat from above):

| | | | | |
|----------------------------------|---------|---------|---------|----------|
| AST 101 | AST 102 | BIO 101 | BIO 102 | BIO 112 |
| CHM 105 | CHM 110 | MAT 110 | MAT 120 | MAT 130 |
| MAT 140 | PHY 118 | PHY 201 | PHY 202 | PHY 221 |
| PHY 222 | | | | |
| Total Credit Hours Needed | | | | 8 |

Humanities/Fine Arts

TWO courses to be chosen from the following courses:

| | | | | |
|----------------------------------|---------|---------|---------|----------|
| ART 101 | ART 108 | ENG 201 | ENG 202 | ENG 205 |
| ENG 206 | ENG 208 | ENG 209 | ENG 214 | ENG 224 |
| FRE 201 | FRE 202 | GER 201 | GER 202 | HIS 101 |
| HIS 102 | HIS 201 | HIS 202 | HIS 214 | MUS 105 |
| PHI 101 | PHI 110 | PHI 201 | REL 103 | SPA 201 |
| SPA 202 | THE 101 | | | |
| Total Credit Hours Needed | | | | 6 |

Social Behavioral Sciences

The following course is required:

| | | | | |
|----------------------------------|--|--|--|----------|
| PSY 201 | | | | |
| Total Credit Hours Needed | | | | 3 |

ONE course to be chosen from the following courses:

| | | | | |
|----------------------------------|---------|---------|---------|----------|
| ANT 101 | ECO 210 | ECO 211 | GEO 101 | GEO 102 |
| PSC 201 | PSC 215 | PSY 203 | PSY 212 | SOC 101 |
| SOC 102 | | | | |
| Total Credit Hours Needed | | | | 3 |

MAJOR CONCENTRATION

| | | | | |
|---------|---------|---------|---------|---------|
| AST 101 | AST 102 | BIO 210 | BIO 211 | BIO 225 |
| CHM 110 | CHM 111 | CHM 211 | CHM 212 | MAT 110 |

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| | | | | |
|----------------------------------|-----------|-----------|-----------|---------|
| MAT 120 | MAT 122 | MAT 130 | MAT 140 | PHY 201 |
| PHY 202 | PHY 221 | PHY 222 | | |
| Total Credit Hours Needed | | | 16 | |
| OTHER REQUIRED COURSES | | | | |
| AHS 102 | AHS 108** | AHS 110 | AHS 126 | AHS 141 |
| AHS 143 | AHS 145 | AHS 147** | AHS 163 | COL 105 |
| PHI 103 | PHI 110 | PHY 118** | PHY 201 | PHY 202 |
| PSY 203** | SPA 101 | SPA 102 | | |
| Total Credit Hours Needed | | | 15 | |
| TOTAL CREDIT HOURS | | | 60 | |

DENTAL HYGIENE

The following courses are required pre-requisites courses with a "C" or higher and a cumulative GPA of 2.75 or higher.

- BIO 210
- CHM 105 or CHM 110
- MAT 101*
- ENG 101

Total Credit Hours Needed 14

DIAGNOSTIC MEDICAL SONOGRAPHY

The following courses are required pre-requisites courses with a "C" or higher and a cumulative GPA of 2.5 or higher.

- AHS 102 or AHS 104
- AHS 110 or AHS 114 if not previous patient skills background
- BIO 210 and BIO 211
- COL 105
- ENG 101
- MAT 101* or MAT 120
- PHY 118 or PHY 201 or PHY 202
- PSY 201
- SPC 205
- Humanities

Total Credit Hours Needed 35

NUCLEAR MEDICINE

The following courses are required pre-requisites courses with a "C" or higher and a cumulative GPA of 2.5 or higher.

- AHS 102 or AHS 104
- AHS 110 or AHS 141
- BIO 210 and BIO 211
- CHM 105 or CHM 110
- COL 105
- ENG 101
- MAT 110 or MAT 120
- PHY 118 or PHY 201 or PHY 202
- PSY 201
- SPC 205
- Humanities

Total CreditHoursNeeded 39

NURSING

The following courses are required pre-requisites courses with a "C" or higher and a cumulative GPA of 2.75 or higher.

- BIO 210 and BIO 211 and BIO 225
- ENG 101 and ENG 102
- Humanities
- MAT 110 or MAT 120
- PSY 201
- SPC 205

Total Credit Hours Needed 30

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*AHS 108, AHS 147 and PSY 203 recommended for Nursing.

PHYSICAL THERAPY ASSISTANT

The following courses are required pre-requisites courses with a "C" or higher and a cumulative GPA of 2.5 or higher.

BIO 210

ENG 101

Humanities

MAT 110 or MAT 120

PSY 201

Total Credit Hours Needed 16

*PHY 118 recommended for PTA.

PRACTICAL NURSING

The following courses are required pre-requisites courses with a "C" or higher and a cumulative GPA of 2.5 or higher.

BIO 210 and BIO 211

ENG 101

MAT 155*

PSY 201

Total CreditHoursNeeded 17

RADIOLOGY

The following courses are required pre-requisites courses with a "C" or higher and a cumulative GPA of 2.5 or higher.

BIO 210

COL 105

ENG 101

MAT 110 or MAT 120

Total Credit Hours Needed 13

SURGICAL TECHNICIAN

The following courses are required pre-requisites courses with a "C" or higher and a cumulative GPA of 2.0 or higher.

BIO 210 and BIO 211 andBIO 225

Total Credit Hours Needed 12

*To receive the Associate of Science, Health Science degree, students must complete additional math courses as required for associate degree.