

Associate in Science Degree

ASSOCIATE IN SCIENCE

Graduates of the Associate in Science (A.S.) program usually transfer to a senior institution and major in such areas as biology, chemistry, engineering, mathematics or pre-medicine. The degree stresses mathematics, natural, and physical sciences, and is ideal for students who wish to broaden their general knowledge. Students who are currently undecided about their educational or career goals will find transfer courses that apply toward their future major or career choices.

To assist students with their career and education goals, within the Associate in Science degree the College has established career pathways intended for advising purposes. The career pathways include a limited number of courses specific for the career or discipline in which a student wishes to pursue. Students choosing a career pathway within the A.S. degree will graduate HGTC with the Associate in Science degree.

Because transfer requirements vary, students should work with their Academic Advisor and the transfer institution to plan a specific program of study. Visit <http://www.sctrac.org> to view transfer programs at a number of senior institutions.

CURRICULUM SEQUENCE

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 |

Mathematics

The following course MUST be completed:

| | | |
|----------------------------------|-----------------|----------|
| MAT 110 | College Algebra | 3 |
| Total Credit Hours Needed | | 3 |

Natural Sciences

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

| | | | | |
|----------------------------------|---------|---------|---------|----------|
| AST 101 | AST 102 | BIO 101 | BIO 102 | BIO 210 |
| BIO 211 | CHM 110 | CHM 111 | 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 218 |
| ENG 224 | ENG 230 | ENG 236 | FRE 201 | FRE 202 |
| GER 201 | GER 202 | HIS 101 | HIS 102 | HIS 201 |
| HIS 202 | HIS 214 | MUS 105 | MUS 111 | MUS 112 |
| PHI 101 | PHI 110 | PHI 115 | PHI 201 | REL 103 |
| SPA 201 | SPA 202 | SPC 210 | THE 101 | |
| Total Credit Hours Needed | | | | 6 |

Social Behavioral Sciences

TWO courses to be chosen from the following courses:

| | | | | |
|----------------------------------|---------|---------|---------|----------|
| ANT 101 | ECO 210 | ECO 211 | GEO 101 | GEO 102 |
| PSC 201 | PSC 215 | PSY 201 | PSY 203 | PSY 210 |
| PSY 212 | SOC 101 | SOC 102 | SOC 205 | SOC 210 |
| SOC 220 | | | | |
| Total Credit Hours Needed | | | | 6 |

College Skills

| | | |
|----------|----------------------------------|----------|
| COL 105* | Total Credit Hours Needed | 3 |
|----------|----------------------------------|----------|

(Continued)

MAJOR CONCENTRATION**

To be selected from the following:**

| | | | | |
|---------|---------|---------|---------|---------|
| AST 101 | AST 102 | BIO 101 | BIO 102 | BIO 210 |
| BIO 211 | BIO 225 | CHM 110 | CHM 111 | CHM 211 |
| CHM 212 | MAT 111 | MAT 120 | MAT 122 | MAT 130 |
| MAT 140 | MAT 141 | PHY 201 | PHY 202 | PHY 221 |
| PHY 222 | | | | |

Total Credit Hours Needed**15****OTHER COURSES******Other** courses to be selected from the following:***

| | | | | |
|---------|---------|---------|---------|---------|
| ACC 101 | ACC 102 | AHS 102 | AHS 108 | ANT101 |
| ART 101 | ART 108 | AST 101 | AST 102 | BIO 101 |
| BIO 102 | BIO 210 | BIO 211 | BIO 225 | CHM 110 |
| CHM 111 | CHM 211 | CHM 212 | ECO 210 | ECO 211 |
| EDU110 | EDU 201 | EDU 241 | ENG 201 | ENG 202 |
| ENG 205 | ENG 206 | ENG 208 | ENG 209 | ENG 214 |
| ENG 218 | ENG 224 | ENG 230 | ENG 236 | FRE 101 |
| FRE 102 | FRE 201 | FRE 202 | GEO 101 | GEO 102 |
| GER 101 | GER 102 | GER 201 | GER 202 | HIS 101 |
| HIS 102 | HIS 201 | HIS 202 | HIS 214 | MAT 111 |
| MAT 120 | MAT 122 | MAT 130 | MAT 140 | MAT 141 |
| MAT 240 | MAT 242 | MAT 250 | MAT 251 | MUS 105 |
| MUS 111 | MUS 112 | PHI 101 | PHI 110 | PHI 115 |
| PHI 201 | PHY 201 | PHY 202 | PHY 221 | PHY 222 |
| PSC 201 | PSC 215 | PSY 201 | PSY 203 | PSY 210 |
| PSY 212 | REL 103 | SOC 101 | SOC 102 | SOC 205 |
| SOC 210 | SOC 220 | SPA 101 | SPA 102 | SPA 201 |
| SPA 202 | SPC 210 | THE 101 | | |

Total Credit Hours Needed**10-16****TOTAL CREDIT HOURS****60-66**

*Transferability of COL 105 is at the discretion of the receiving university or college.

**IMPORTANT: Courses used to complete one requirement cannot be the same courses used to satisfy other requirements.

***Students may substitute up to 6 hours of elective courses in this category with permission of the Department Chair.