

## 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, marine science, 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

#### Semester Credit Hours

##### 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
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**Total Credit Hours Needed 3**

##### Natural Sciences

**TWO** courses to be chosen from the following courses:

AST 101	AST 102	BIO 101	BIO 102	BIO 209
BIO 210****	BIO 211	CHM 110	CHM 111	CHM 211
CHM 212	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 230	ENG 236
HIS 101	HIS 102	HIS 201*	HIS 202	MUS 105
PHI 101	PHI 110	PHI 201	PHI 211	REL 103
SPA 201	SPA 202	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	

**Total Credit Hours Needed 6**

#### MAJOR CONCENTRATION\*\*

To be selected from the following:\*\*

AST 101	AST 102	BIO 101	BIO 102	BIO 209
BIO 210****	BIO 211	BIO 225	CHM 110	CHM 111
CHM 211	CHM 212	MAT 111	MAT 120	MAT 122

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MAT 130	MAT 140	MAT 141	PHY 201	PHY 202
PHY 221	PHY 222			
<b>Total Credit Hours Needed</b>				<b>15</b>
<b>OTHER COURSES **</b>				
<b>Other</b> courses to be selected from the following:***				
ACC 101	ACC 102	ANT 101	ART 101	ART 108
AST 101	AST 102	BIO 101	BIO 102	BIO 105
BIO 110	BIO 112	BIO 127	BIO 209	BIO 210****
BIO 211	BIO 225	CHM 105	CHM 110	CHM 111
CHM 211	CHM 212	CPT 114	ECO 210	ECO 211
ENG 160	ENG 201	ENG 202	ENG 205	ENG 206
ENG 208	ENG 209	ENG 230	ENG 236	FRE 101
FRE 102	GEO 101	GEO 102	HIS 101	HIS 102
HIS 201*	HIS 202	MAT 111	MAT 120	MAT 122
MAT 130	MAT 140	MAT 141	MAT 250	MAT 251
MUS 105	MUS 111	MUS 112	PHI 101	PHI 110
PHI 201	PHI 211	PHY 118	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	SPA 101	SPA 102	SPA 201
SPA 202	THE 101			
<b>Total Credit Hours Needed</b>				<b>13</b>
<b>TOTAL CREDIT HOURS</b>				<b>60</b>

\*Students transferring to a senior institution are recommended to take HIS 201 or PSC 201 at HGTC to satisfy Reach Act requirements. The Reach Act was passed in 2021 by the General Assembly.

\*\*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.

\*\*\*\*BIO 210 grades are used as an admission requirement to multiple health care related programs, therefore students are strongly encouraged to complete a college level lab science or high school biology course prior to enrolling in BIO 210.