

## 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
<b>Total Credit Hours Needed</b>		<b>9</b>

##### Mathematics

The following course MUST be completed:

MAT 110	College Algebra	3
<b>Total Credit Hours Needed</b>		<b>3</b>

##### 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	PHY 201
PHY 202	PHY 221	PHY 222		
<b>Total Credit Hours Needed</b>				<b>8</b>

##### 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	PHI 101	PHI 110
PHI 115	PHI 201	PHI 211	REL 103	SPA 201
SPA 202	SPC 210	THE 101		
<b>Total Credit Hours Needed</b>				<b>6</b>

##### 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				
<b>Total Credit Hours Needed</b>				<b>6</b>

##### College Skills

COL 105*	<b>Total Credit Hours Needed</b>	<b>3</b>
----------	----------------------------------	----------

(Continued)

**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
MAT 130	MAT 140	MAT 141	MAT 240	MAT 242
PHY 201	PHY 202	PHY 221	PHY 222	
<b>Total Credit Hours Needed</b>				<b>15</b>

**OTHER COURSES\*\*****Other** 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 209
BIO 210	BIO 211	BIO 225	CHM 110	CHM 111
CHM 211	CHM 212	ECO 210	ECO 211	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	MUS 105	PHI 101
PHI 110	PHI 115	PHI 201	PHI 211	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				
<b>Total Credit Hours Needed</b>				<b>10-16</b>
<b>TOTAL CREDIT HOURS</b>				<b>60-66</b>

\*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.