

Associate in Science – Track 1 Planning Worksheet (2024-2025)

Degree Requirements

Communications (5 CR)	__ ENGL& 101
Quantitative/Symbolic Reasoning (10 CR)	__ MATH& 151 __ MATH& 152
Humanities and Social Science Distribution Requirements (15CR)	<ul style="list-style-type: none"> • Select five credits of humanities from the below list • Select five credits of social sciences from the below list • Select an additional five credits of humanities or social sciences. The class must be from a different area than classes already completed (A, B, C, D etc.)

Social Science

Social Science Continued

Humanities Continued

Area A: History

		Cr
__ HIST& 116	Western Civilization I	5
__ HIST& 117	Western Civilization II	5
__ HIST& 118	Western Civilization III	5
__ HIST 122	Hist. of Modern East Asia	5
__ HIST& 146	U.S. History I	5
__ HIST& 147	U.S. History II	5
__ HIST& 148	U.S. History III	5
__ HIST& 214	Pacific NW History	5
__ HIST& 219	Native American History	5
__ HIST 220	20 th Century Europe	5
__ HIST 252	Latin-American History	5
__ HIST 270	African-American History	5
__ HIST 272	History of England	5

Area B: Economics/Political Science

		Cr
__ ECON 100	Intro. to Economics	5
__ ECON& 201	Micro Economics	5
__ ECON& 202	Macro Economics	5
__ POLS 102	Law and Society	5
__ POLS& 202	American Government	5

Area C: Anthropology/Sociology

		Cr
__ ANTH& 100	Survey of Anthropology	5
__ ANTH& 206	Cultural Anthropology	5
__ SOC& 101	Introduction to Sociology	5
__ SOC 106	Juvenile Justice	5
__ SOC 112	Criminology	5
__ SOC& 201	Social Problems	5
__ SOC 252	Marriage and Family	5

Area D: Psychology

		Cr
__ PSYC& 100	General Psychology	5
__ PSYC& 200	Lifespan Psychology	5
__ PSYC& 220	Abnormal Psychology	5
__ PSYCH 235	Positive Psychology	5
__ PSYCH 250	Social Psychology	5

Humanities

Area A: Visual Arts

		Cr
__ ART& 100	Art Appreciation	5
__ ART 101	Beginning Drawing*	5
__ ART 104	2D Design*	5
__ ART 105	3D Design*	5
__ ART 250	History of Art: Japan	5

Area B: Theatrical Arts

		Cr
__ DRMA& 101	Intro. to Theatre	5
__ FILM 125	Film Interpretation	5
__ THEA 161	Intro. to Acting*	5
__ THEA 163	Intro. to Directing*	3

Area C: Musical Arts

		Cr
__ MUSIC 100	Music Fundamentals	5
__ MUSC& 105	Music Appreciations	5
__ MUSC& 121	Ear Training I	2
__ MUSC& 131	Music Theory I	3

Area D: Literary Arts

		Cr
__ ENGL& 111	Intro. to Literature	5
__ ENGL 208	Surv. Brit. Lit. to 1800	5
__ ENGL 209	Brit. Lit. 1800-Present	5
__ ENGL& 220	Intro. to Shakespeare	5
__ ENGL 233	Childrens Literature	5
__ ENGL 246	Queer Literature	5
__ ENGL& 244	Intro. to American Lit.	5
__ ENGL 252	Survey of World Lit.	5
__ ENGL 275	Gender in Literature	5

Area E: Languages (5 credit maximum)

		Cr
__ ASL& 121	Amer. Sign Lang. I	5
__ ASL& 122	Amer. Sign Lang. II	5
__ ASL& 123	Amer. Sign Lang. III	5
__ SPAN& 121	Spanish I	5
__ SPAN& 122	Spanish II	5
__ SPAN& 123	Spanish III	5

Area F: Communications

		Cr
__ CMST& 101	Intro. to Com.	5
__ CMST& 210	Interpersonal Com.	5
__ CMST& 220	Public Speaking	5
__ CMST& 230	Small Grp. Com.	5
__ CMST& 240	Intercultural Com.	5

Area G: Culture and Ideas

		Cr
__ LING 101	Intro. World Language	5
__ PHIL& 101	Intro. to Philosophy	5
__ PHIL& 115	Critical Thinking	5

Note: five credits maximum in performance* courses

Pre-Major Program Requirements (45-50 credits)	<ol style="list-style-type: none"> 1. Chemistry (for science majors) sequence of 15 credits 2. Third quarter calculus or approved statistics course of 5 credits 3. Biology (for science majors) or physics (calculus-based or non calculus-based) sequence of 15 credits 4. Additional requirements: 10-15 credits in physics, geology, organic chemistry, biology, or mathematics, consisting of courses normally taken for science majors (not for general education), preferably in a 2- or 3- quarter sequence. <p>On the next page are some examples of common/recommended course selections to complete the above requirements (1, 2, 3, & 4) based on major/concentration.</p>
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Pre-Major Program Requirements (45-50 credits)

Examples of common/recommended course selections based on major/concentration

Biology	Cr
1. __CHEM& 161, __CHEM& 162, __CHEM& 163	15
2. __MATH& 163 OR __MATH& 146	5
3. __BIOL& 211, __BIOL& 212, __BIOL& 213	15
4. __CHEM& 261, __CHEM& 262, __CHEM& 263 OR __PHYS& 114, __PHYS& 115, __PHYS& 116 OR __PHYS& 221, __PHYS& 222, __PHYS& 223	15

Earth Science	Cr
1. __CHEM& 161, __CHEM& 162, __CHEM& 163	15
2. __MATH& 163 OR __MATH& 146	5
3. __BIOL& 211, __BIOL& 212, __BIOL& 213	15
4. __PHYS& 221, __PHYS& 222, __PHYS& 223	15

Chemistry	Cr
1. __CHEM& 161, __CHEM& 162, __CHEM& 163	15
2. __MATH& 163	5
3. __PHYS& 221, __PHYS& 222, __PHYS& 223	15
4. __CHEM& 261, __CHEM& 262, __CHEM& 263	15

Environmental Science	Cr
1. __CHEM& 161, __CHEM& 162, __CHEM& 163	15
2. __MATH& 163 OR __MATH& 146	5
3. __BIOL& 211, __BIOL& 212, __BIOL& 213	15
4. __PHYS& 114, __PHYS& 115, __PHYS& 115 OR __PHYS& 221, __PHYS& 222, __PHYS& 223	15

Electives (10-15 credits)	Sufficient additional college-level credits so that total credits earned are at least 90 quarter credits. These remaining credits may include prerequisites for major courses (e.g., CHEM& 121, MATH& 141 and 142), additional major coursework, or specific general education or other university requirements, as approved by your advisor. See your GHC advisor for specific courses recommended for your major; check with your 4-year university for world-language requirements. Record electives below:
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Course	Credits

Tips for creating academic plans

- It is important for AS Track 1 students to complete an academic plan early in their educational career as opposed to registering quarter by quarter because of prerequisites and progressions of classes that are only offered once a year.
- Focus first on math and chemistry.
- A number of students will need to complete developmental math before beginning chemistry.
- Create a plan that allows students to take CHEM& 161 as early as possible (offered fall & win.).
- Chemistry in high school can be useful because the prerequisite for CHEM& 161 is 1 yr. of high school chemistry or CHEM& 121 and MATH& 141 or concurrent enrollment in MATH& 141.
- Some students will benefit from taking CHEM& 121 even if they passed high school chemistry.

Sample academic plans

AST1 - Biology (placement in Math 70, ENGL 095, and READ 090)		
Fall	Winter	Spring
MATH 070 ENGL 095 READ 090	MATH 097 ENGL& 101 Humanities	MATH 098 CHEM& 121 Soc. Sci.
CHEM& 161 MATH& 141 BIOL& 211	CHEM& 162 Hum. or S.S. BIOL& 212	CHEM& 163 MATH& 142 BIOL& 213
CHEM& 261 MATH& 151	CHEM& 262 MATH& 152	CHEM& 263 MATH& 163

AST1 – Chemistry (student has 1 yr. of high school chemistry, placement in MATH& 141)		
Fall	Winter	Spring
CHEM& 161 MATH& 141 Soc. Sci.	CHEM& 162 MATH& 142 ENGL& 101	CHEM& 163 MATH& 151 Humanities
CHEM& 261 Hum. or S.S. PHYS& 221	CHEM& 262 MATH& 152 PHYS& 222	CHEM& 263 MATH& 163 PHYS& 223

**See the following page for a table of classes with prerequisites and quarter offered.*

Courses required for all Associate in Science Track 1 degrees in bold.

Course	Prerequisites	Availability
<i>MATH 98</i>	"C" MATH 097	F, SP
<i>MATH& 141</i>	"C+" MATH 098	F, W
<i>MATH& 142</i>	"C" MATH& 141	W, SP
MATH& 151	"C" MATH& 142	F, SP
MATH& 152	"C" MATH& 151	W
MATH& 146 (or 163)	"C" MATH 097	F, W, SP, SU
MATH& 163 (or 146)	"C" MATH& 152	SP
<i>CHEM& 121</i>	"C" MATH 97	F, W, SP
CHEM& 161	1 yr. H.S. Chem or CHEM& 121 and concurrent MATH& 141	F, W
CHEM& 162	"C" in both CHEM& 161 and MATH& 141	W, SP
CHEM& 163	"C" CHEM& 162	SP
ENGL& 101	"C-" ENGL 095	F, W, SP, SU
Humanities	Varies. Often ENGL 095	F, W, SP, SU
Social Science	Varies	F, W, SP, SU
Hum. or Soc. Sci.	Varies	F, W, SP, SU
<i>BIOL& 211</i>	"C" CHEM& 121 OR CHEM& 161	F
<i>BIOL& 212</i>	"C" BIOL& 211	W
<i>BIOL& 213</i>	"C" BIOL& 211	S
<i>CHEM& 261</i>	Recommend: CHEM& 163. Prereq: "C" CHEM& 162	F
<i>CHEM& 262</i>	"C" CHEM& 261	W
<i>CHEM& 263</i>	"C" CHEM& 262	S
<i>PHYS& 114</i>	"C" MATH& 142 or concurrent MATH& 142	F
<i>PHYS& 115</i>	PHYS& 114	W
<i>PHYS& 116</i>	PHYS& 115	S
<i>PHYS& 221</i>	MATH& 151 or concurrent MATH& 151	F
<i>PHYS& 222</i>	PHYS& 221 and MATH& 152 or concurrent MATH& 152	W
<i>PHYS& 223</i>	PHYS& 222 and MATH& 163	S

Complete the draft academic plan below to confirm course selection works well with course sequences offered on a yearly basis (see previous page for examples).

Summer	Fall	Winter	Spring
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

*This worksheet is intended to be used for planning purposes. See Admissions and Records for official degree audit information.