

Associate in Science – Track 1 Planning Worksheet (2025-2026)

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

Area A: History

Course	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 Hist.	5
HIST 220 – 20th 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

Course	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

Course	Cr.
ANTH& 100 – Survey of Anth.	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

Course	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

Note: five credits maximum in performance* courses

Area A: Visual Arts

Course	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

Course	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

Course	Cr.
MUSIC 100 – Music Fundamentals	5
MUSC& 105 – Music Appreciation	5
MUSC& 121 – Ear Training	2
MUSC& 131 – Music Theory	3

Area D: Literary Arts

Course	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)

Course	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

Course	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

Course	Cr.
LING 101 – Intro. World Language	5
PHIL& 101 – Intro. to Philosophy	5
PHIL& 115 – Critical Thinking	5
PHIL& 112 – Symbolic Logic	5

Pre-Major Program Requirements (45-50 credits)

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.

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.

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 there are 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

Sample plan for a concentration in biology and placement in MATH 70, ENGL 95, and READ 90

Fall	Winter	Spring
MATH 70 ENGL 95 READ 90	MATH 97 ENGL& 101 Humanities	MATH 98 CHEM& 121 Soc. Sci.
Fall	Winter	Spring
CHEM& 161 MATH& 141 BIOL& 211	CHEM& 162 Hum. or S.S. BIOL& 212	CHEM& 163 MATH& 142 BIOL& 213
Fall	Winter	Spring
CHEM& 261 MATH& 151	CHEM& 262 MATH& 152	CHEM& 263 MATH& 163

Sample plan for a concentration in 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
Fall	Winter	Spring
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 a 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