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

## Degree Requirements

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| Communications (5 CR) | \_\_ ENGL& 101 |
| Quantitative/Symbolic Reasoning (10 CR) | \_\_ MATH& 151  \_\_ MATH& 152 |
| Humanities and Social Science Distribution Requirements (15CR) | * 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.) |

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| ***Social Science*** 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 | | 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  |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  | | **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 | | ***Social Science Continued*** 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 Actting\* | | 5 | | \_\_\_THEA 163 | | Intro. to Directing\* | | 3 |  Area C: Musical Arts  |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  | | **Cr** | | | \_\_\_MUSIC 100 | | Music Fundamentals | | 5 | | \_\_\_MUSC& 105 | | Music Appreciation | | 5 | | \_\_\_MUSC& 121 | | Ear Training I | | 2 | | \_\_\_MUSC& 131 | | Music Theory I | | 3 | | ***Humanities Continued*** 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  \_\_\_ENGL 252 | Intro. to American Lit.  Survey of World Lit. | | 5  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

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| 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

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| --- | --- | --- | --- | --- |
| **Biology** | **Cr** |  | **Earth Science** | **Cr** |
| 1. \_\_CHEM& 161, \_\_CHEM& 162, \_\_CHEM& 163 | 15 |  | 1. \_\_CHEM& 161, \_\_CHEM& 162, \_\_CHEM& 163 | 15 |
| 2. \_\_MATH& 163 **OR**  \_\_MATH& 146 | 5 |  | 2. \_\_MATH& 163 **OR**  \_\_MATH& 146 | 5 |
| 3. \_\_BIOL& 211, \_\_BIOL& 212, \_\_BIOL& 213 | 15 |  | 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 |  | 4. \_\_PHYS& 221, \_\_PHYS&222, \_\_PHYS& 223 | 15 |

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| **Chemistry** | **Cr** |  | **Environmental Science** | **Cr** |
| 1. \_\_CHEM& 161, \_\_CHEM& 162, \_\_CHEM& 163 | 15 |  | 1. \_\_CHEM& 161, \_\_CHEM& 162, \_\_CHEM& 163 | 15 |
| 2. \_\_MATH& 163 | 5 |  | 2. \_\_MATH& 163 **OR**  \_\_MATH& 146 | 5 |
| 3. \_\_PHYS& 221, \_\_PHYS&222, \_\_PHYS& 223 | 15 |  | 3. \_\_BIOL& 211, \_\_BIOL& 212, \_\_BIOL& 213 | 15 |
| 4. \_\_CHEM& 261, \_\_CHEM& 262, \_\_CHEM& 263 | 15 |  | 4. \_\_PHYS& 114, \_\_PHYS& 115, \_\_PHYS& 115 **OR**  \_\_PHYS& 221, \_\_PHYS&222, \_\_PHYS& 223 | 15 |

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| 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** |
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## 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

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| --- | --- | --- | --- | --- | --- | --- |
| AST1 - Biology (placement in Math 70, ENGL 095, and READ 090) | | |  | AST1 – Chemistry (student has 1 yr. of high school chemistry, placement in MATH& 141) | | |
| **Fall**  MATH 070  ENGL 095  READ 090 | **Winter**  MATH 097  ENGL& 101  Humanities | **Spring**  MATH 098  CHEM& 121  Soc. Sci. |  | **Fall**  CHEM& 161  MATH& 141  Soc. Sci. | **Winter**  CHEM& 162  MATH& 142  ENGL& 101 | **Spring**  CHEM& 163  MATH& 151  Humanities |
| **Fall**  CHEM& 161  MATH& 141  BIOL& 211 | **Winter**  CHEM& 162  Hum. or S.S.  BIOL& 212 | **Spring**  CHEM& 163  MATH& 142  BIOL& 213 |  | **Fall**  CHEM& 261  Hum. or S.S.  PHYS& 221 | **Winter**  CHEM& 262  MATH& 152  PHYS& 222 | **Spring**  CHEM& 263  MATH& 163  PHYS& 223 |
| **Fall**  CHEM& 261  MATH& 151 | **Winter**  CHEM& 262  MATH& 152 | **Spring**  CHEM& 263  MATH& 163 |  |  |  |  |

*\*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.

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| --- | --- | --- |
| **Course** | **Prerequisites** | **Availability** |
| *MATH 98* | “C” MATH 097 | F, SP |
| *MATH& 141* | “C+” MATH 098 | F, W |
| *MATH& 142* | “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 |
| *CHEM& 121* | “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 |
| *BIOL& 211* | “C” CHEM& 121 OR CHEM& 161 | F |
| *BIOL& 212* | “C” BIOL& 211 | W |
| *BIOL& 213* | “C” BIOL& 211 | S |
| *CHEM& 261* | Recommend: CHEM& 163. Prereq: “C” CHEM& 162 | F |
| *CHEM& 262* | “C” CHEM& 261 | W |
| *CHEM& 263* | “C” CHEM& 262 | S |
| *PHYS& 114* | “C” MATH& 142 or concurrent MATH& 142 | F |
| *PHYS& 115* | PHYS& 114 | W |
| *PHYS& 116* | PHYS& 115 | S |
| *PHYS& 221* | MATH& 151 or concurrent MATH& 151 | F |
| *PHYS& 222* | PHYS& 221 and MATH& 152 or concurrent MATH& 152 | W |
| *PHYS& 223* | 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).

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| Summer | Fall | Winter | Spring |
| |  | | --- | |  | |  | |  | |  | | |  | | --- | |  | |  | |  | |  | | |  | | --- | |  | |  | |  | |  | | |  | | --- | |  | |  | |  | |  | |
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**\*This worksheet is intended to be used for planning purposes. See Admissions and Records for official degree audit information.**