Associate in Science - Track 1 Planning Worksheet (2018-2019)
Degree Requirements

| AS-T General Requirements | ENGL\& 101, MATH\& 151, and MATH\& 152 |
| :--- | :--- |
| Humanities and Social Science | 15 credits of Humanities and Social Science with a minimum of |
| Distribution Requirements | five credits of Humanities and five credits of Social Science |

Pre-Major requirements and remaining electives

| Biology | Earth Science |
| :--- | :--- |
| Pre Major | Pre Major |
| CHEM\& 161, 162, 163 (15 credits) | CHEM\& 161, 162, 163 (15 credits) |
| MATH\& 163 OR MATH\& 146 (5 credits) | MATH\& 163 OR MATH\& 146 (5 credits) |
| BIOL\& 211, 212, 213 (15 credits) | BIOL\& 211, 212, 213 (15 credits) |
| CHEM\& 261, 262, 263 OR PHYS\& 114, 115, <br> 116 OR PHYS\& 221, 222, 223 (15 Credits) | PHYS\& 221, 222, 223 (15 Credits) |
| Remaining Credits (10 credits) | Remaining Credits (10 credits) |


| Chemistry | Environment Science |
| :--- | :--- |
| Pre Major | Pre Major |
| CHEM\& 161, 162, 163 (15 credits) | CHEM\& 161, 162, 163 (15 credits) |
| MATH\& 163 (5 credits) | MATH\& 163 OR MATH\& 146 (5 credits) |
| CHEM\& 261, 262, 263 (15 Credits) | BIOL\& 211, 212, 213 (15 credits) |
| PHYS\& 221, 222, 223 (15 Credits) | PHYS\& 114, 115, 116 OR PHYS\& 221, 222, 223 (15 Cr.) |
| Remaining Credits (10 credits) | Remaining Credits (10 credits) |

## Tips for creating academic plans

- 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.).
- Ask students if they took chemistry in high school because the prerequisite for CHEM\& 161 is 1 yr. of high school chemistry or CHEM\& 121 and MATH\& 141 or concurrent enrollment in 141.
- Some students will benefit from taking CHEM\& 121 even if they passed high school chemistry.
- Remaining credits can include prerequisites for major courses (e.g. CHEM\& 121, MATH\& 141 and 142), additional major coursework, or specific general education or other university requirements approved by an advisor.

Sample academic plans
AST1 - Biology (placement in Math 70, ENGL 095, and READ 090)

| Fall | Winter |  |
| :--- | :--- | :--- |
| MATH 070 | Spring |  |
| MATH 097 | MATH 098 |  |
| ENGL 095 | ENGL\& 101 | CHEM\& 121 |
| READ 090 | Humanities | Soc. Sci. |
| Fall | Winter | Spring |
| CHEM\& 161 | CHEM\& 162 | CHEM\& 163 |
| MATH\& 141 | Hum. or S.S. | MATH\& 142 |
| BIOL\& 211 | BIOL\& 212 | BIOL\& 213 |
| Fall | Winter | Spring |
| CHEM\& 261 | CHEM\& 262 | CHEM\& 263 |
| MATH\& 151 | MATH\& 152 | MATH\& 163 |


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

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

| Course | Prerequisites | Availability |
| :--- | :--- | :--- |
| MATH\& 141 | "C+" MATH 098 | $\mathrm{F}, \mathrm{W}$ |
| MATH\& 142 | "C" MATH\& 141 | $\mathrm{W}, \mathrm{SP}$ |
| MATH\& 151 | "C" MATH\& 142 | $\mathrm{F}, \mathrm{SP}$ |
| MATH\& 152 | "C" MATH\& 151 | $\mathrm{F}, \mathrm{W}$ |
| MATH\& 146 (or 163) | "C" MATH 097 | $\mathrm{F}, \mathrm{W}, \mathrm{SP}, \mathrm{SU}$ |
| MATH\& 163 (or 146) | "C" MATH\& 152 (Note: 163 required for chemistry majors) | SP |
| CHEM\& 121 | "C" MATH 97 | $\mathrm{F}, \mathrm{W}, \mathrm{SP}$ |
| CHEM\& 161 | 1 yr. H.S. Chem or CHEM\& 121 and concurrent MATH\& 141 | $\mathrm{F}, \mathrm{W}$ |
| CHEM\& 162 | "C" in both CHEM\& 161 and MATH\& 141 | $\mathrm{W}, \mathrm{SP}$ |
| CHEM\& 163 | "C" CHEM\& 162 | SP |
| ENGL\& 101 | "C-" ENGL 095 | $\mathrm{F}, \mathrm{W}, \mathrm{SP}, \mathrm{SU}$ |
| Humanities | Varies. Often ENGL 095 | $\mathrm{F}, \mathrm{W}, \mathrm{SP}, \mathrm{SU}$ |
| Social Science | Varies | $\mathrm{F}, \mathrm{W}, \mathrm{SP}, \mathrm{SU}$ |
| Hum. or Soc. Sci. | Varies | $\mathrm{F}, \mathrm{W}, \mathrm{SP}, \mathrm{SU}$ |
| 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 reverse for examples).


