

# CYBERSECURITY ANALYTICS AND OPERATIONS, B.S. (ALTOONA)

**Begin Campus:** Any Penn State Campus

**End Campus:** Altoona

## Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2022-23 academic year. To access previous years' suggested academic plans, please visit the archive (<https://bulletins.psu.edu/undergraduate/archive/>) to view the appropriate Undergraduate Bulletin edition (*Note: the archive only contains suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin*).

## Cybersecurity Analytics and Operations, B.S. at Altoona Campus

The course series listed below provides **only one** of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an **Academic Requirements** or **What If** report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

### First Year

Fall	Credits	Spring	Credits
IST 140 <sup>#1</sup>	3	IST 210 <sup>*#</sup>	3
CYBER 100 (FYS) <sup>*#1</sup>	3	IST 220 <sup>*#1</sup>	3
MATH 110 (GQ) <sup>*‡</sup>	4	SRA 111 (GS) <sup>*+1</sup>	3
CAS 100 (GWS) <sup>‡</sup>	3	ENGL 15 or 30H (GWS) <sup>‡</sup>	3
PSU 3	1	Application Focus	3
General Education (GN, GA, GH, GS, or GHW)	3		
	<b>17</b>		<b>15</b>

### Second Year

Fall	Credits	Spring	Credits
IST 242 <sup>*#1</sup>	3	IST 261 <sup>*</sup>	3
STAT 200 (GQ) <sup>*‡#</sup>	4	SRA 211 <sup>*</sup>	3
CYBER 262 <sup>*</sup>	3	IST 230 <sup>*</sup>	3
SRA 221 <sup>*</sup>	3	SRA 231 <sup>*</sup>	3
Application Focus	3	General Education (GN, GA, GH, GS, or GHW)	3
	<b>16</b>		<b>15</b>

### Third Year

Fall	Credits	Spring	Credits
CYBER 362 <sup>*</sup>	3	CYBER 342W <sup>*</sup>	3
IST 451 <sup>*</sup>	3	IST 454 <sup>*</sup>	3
SRA 365 <sup>*</sup>	3	SRA 311W <sup>*</sup>	3
ENGL 202C or 202D (GWS) <sup>‡</sup>	3	CYBER 366 <sup>*</sup>	3
General Education (GN, GA, GH, GS, or GHW)	3	Application Focus	3

General Education (GHW)	1.5		
	<b>16.5</b>		<b>15</b>
<b>Fourth Year</b>			
<b>Fall</b>		<b>Credits Spring</b>	<b>Credits</b>
IST 432 <sup>*</sup>	3	CYBER 440 <sup>*</sup>	3
IST 456 <sup>*</sup>	3	Application Focus 400 Level	3
SRA 472 <sup>*</sup>	3	General Education (GN, GA, GH, GS, or GHW)	3
General Education (GN, GA, GH, GS, or GHW)	3	Elective	3
General Education (GN, GA, GH, GS, or GHW)	3	Elective	3
General Education (GHW)	1.5		
	<b>16.5</b>		<b>15</b>

### Total Credits 126

- \* Course requires a grade of C or better for the major
- ‡ Course requires a grade of C or better for General Education
- # Course is an Entrance to Major requirement
- † Course satisfies General Education and degree requirement

<sup>1</sup> IST/SRA/CYBER course offered both fall and spring semesters at Altoona. Otherwise, IST/SRA/CYBER courses are only offered once per academic year.

### University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy University Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of 'C' or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

### Advising Notes:

1 credit of IST 495 Internship is also required.