



**Recommended Academic Plan for Security and Risk Analysis
Information and Cyber Security (ICS) Option**

Semester 1	Credits	Semester 2	Credits
SRA 111 Introduction to Security and Risk Analysis ETM Course	3	SRA 211 Threat of Terrorism and Crime ETM Course	3
IST 110S/110 Information, People and Technology ETM Course	3	<i>ECON 002</i> or <i>AG BM 101</i> (GS)	3
<i>CAS 100</i> (GWS)	3	Foreign Language 002	4
Foreign Language 001	4	Natural Sciences (GN)	3
CMPS 101 (GQ)	3	<i>ENGL 015</i> or <i>ENGL 030</i> (GWS)	3
Total Credits:	16	Total Credits:	16
Summer: IST 495 Internship (1) See details below			
Semester 3	Credits	Semester 4	Credits
SRA 221 Overview of Information Security	3	SRA 231 Decision Theory and Analysis	3
<i>STAT 200</i> (GQ)	4	<i>PSYCH 100</i> or <i>SOC 005</i> (GS)	3
Foreign Language 003	4	<i>ACCTG 211</i>	4
<i>GEOG 040</i> or <i>PL SC 001</i> or <i>PL SC 014</i> (GS)	3	<i>MICRB 106</i> (GN)	3
		<i>MICRB 107</i> (GN)	1
Total Credits:	14	Total Credits:	14
Summer: IST 495 Internship (1) See details below.			
Semester 5	Credits	Semester 6	Credits
SRA 311 Risk Management Assessment and Mitigation	3	IST 432 Legal and Regulatory Environment of IST	3
* <i>International Course</i> (GH)	3	<i>ENGL 202C</i> or <i>ENGL 202D</i> (GWS)	3
<i>STAT 460</i>	3	‡ IST 451 Network Security	3
‡ IST 220 Networking and Telecommunications	3	‡ IST 454 Computer and Cyber Forensics	3
Arts (GA)	3	Arts (GA)	3
Total Credits:	15	Total Credits:	15
Summer: IST 495 Internship (1) See details below.			
Semester 7	Credits	Semester 8	Credits
‡ IST 456 Security and Risk Management	3	IST 440W IST Integration and Problem Solving	3
* <i>International Course</i>	3	† Support of Option	3
† Support of Option	3	† Support of Option	3
Health and Physical Activity (GHA)	3	Humanities (GH)	3
Natural Sciences (GN)	2-3	Electives	3
Total Credits:	14-15	Total Credits:	15

Summers:

IST 495 Internship: (1) Supervised work experience where the student is employed in an information science and technology position in industry, government, or academia. All IST students are required to take at least one internship and may take as many as three. For more information, contact the IST internship Office at 814-865-4509 or Careers@ist.psu.edu.

- **Bold type** indicates courses requiring a quality grade of C or better.
- *Italics* indicate courses that satisfy both major and General Education requirements.
- **Bold Italics** indicates courses requiring a quality grade of C or better and that satisfy both major and General Education requirements.
- GWS, GHA, GQ, GN, GA, GH, and GS are codes used to identify General Education requirements.
- US, IL, and US;IL are codes used to designate courses that satisfy University United States/International Cultures requirements.
- W is the code used to designate courses that satisfy University Writing across the Curriculum requirements.
- **ETM Course: Entrance to Major Requirements**
 - At least a 2.0 cumulative grade-point average prior to and through the end of the semester during which the entrance-to-major procedure is carried out.
 - A grade of C or better in each of these courses:
 - IST 110
 - SRA 111
 - SRA 211

Program Notes:

For the B.S. degree in Security and Risk Analysis, a minimum of 120 credits is required.

Not all courses are offered at every campus each semester. Check the Schedule of Courses to determine availability of specific courses.

*Effective Summer 2009, students in the **SRA major** with a program year of 2009 or later or in **INFST** are required to earn a “C” or better in **CMPSC 101** and all **IST** and **SRA** courses required by the major and all prescribed courses required by the option. Information for the 2008 program year or earlier, can be found [here](#). If you are unsure of your program year, run a degree audit and meet with your adviser.*

This Academic Plan is a general guide but can vary depending on option, course availability and previous coursework. This “guide” is a tool that should be used in combination with your Adviser and your Degree Audit.

Academic Advising Notes:

- The [amount of foreign language](#) you completed in high school, results of advanced placement exams, and results of optional proficiency exams determine what level of language you will take. See your adviser for details.
- International Courses: RL ST 001 or HIST 010 or HIST 011. **Only 1** of these courses can double count as a GH.
- † Prescribed Courses (12 credits): IST 220, IST 451, IST 454, and IST 456.
- ‡ Support of Option Courses: Select 9 credits from: CRIMJ 433, IST 210, IST 301, IST 302, IST 402, IST 442, IST 452, MGMT 100.