

# RECOMMENDED ACADEMIC PLAN – SECURITY AND RISK ANALYSIS

## Information and Cyber Security Option

Semester I		Semester II	
<b>*SRA 111 Introduction to Security and Risk Analysis</b>	3	<b>*SRA 211 Threat of Terrorism and Crime</b>	3
<b>*IST 110 Information, People, and Technology GS</b>	3	<b>CMPSC 101 Introduction to Algorithmic Processes GQ or</b>	3
CAS 100B Effective Speech GWS	3	<b>CMPSC 121 Introduction to Programming Techniques</b>	
Foreign Language	4	ENGL 015 Rhetoric and Composition GWS	3
First-Year Seminar	1	Natural Science GN	3
	14	Foreign Language	4
			16
Semester III		Semester IV	
<b>SRA 221 Overview of Information Security</b>	3	<b>SRA 231 Decision Theory and Analysis</b>	3
STAT 200 Elementary Statistics	4	ECON 002 Introductory Microeconomic Analysis and Policy or	3
Foreign Language	4	AG BM 101 Economic Principles of Agribusiness Decision Making GS	
PL SC 001 Introduction to American National Government or	3	ACCTG 211 Financial and Managerial Accounting for Decision Making	4
PL SC 014 International Relations GS		+MICRB 106 Elementary Microbiology GN	3
PSYCH 100 Intorductory Psychology or SOC 005 Social Problems GS	3	+MICRB 107 Elementary Microbiology Laboratory GN	1
	17		14
SRA Internship*			
Semester V		Semester VI	
<b>SRA 311 Risk Management Assessment and Mitigation</b>	3	<i>ENGL 202C Effective Writing: Technical Writing or 202D Effective Writing: Business Writing GWS</i>	3
<b>IST 432 Legal and Regulatory Environment of Information Science and Technology GS</b>	3	<i>RL ST 001 Introduction to World Religions, GH; US; IL or HIST 010 World History I</i>	3
STAT 460 Intermediate Applied Statistic	3	<i>or HIST 011 World History II, GH</i>	
<b>IST 220 Networking and Telecommunications</b>	3	<b>IST 451 Network Security, 454 Computer and Cyber Forensics, or</b>	3
GA	3	<b>456 Security and Risk Management</b>	
	15	Support of Option	3
		GA	3
			15
Semester VII		Semester VIII	
<i>RL ST 001 Introduction to World Religions, GH; US; IL or HIST 010 World History I</i>	3	<b>IST 440W Information Sciences and Technology Intergration and Problem Solving</b>	3
<i>or HIST 011 World History II, GH</i>		<b>IST 451 Network Security, 454 Computer and Cyber Forensics, or</b>	3
<b>IST 451 Network Security, 454 Computer and Cyber Forensics, or</b>	3	<b>456 Security and Risk Management</b>	
<b>456 Security and Risk Management</b>		Support of Option	3
Support of Option	3	GH	3
GHA	3	Elective	2
GN	2		14
	14		

### Advising Notes

- **Bold type** require a grade of C or better.
- *Italics* indicates 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.

\*Entry to major requirement.

+ Scheduling Note: Offered only spring semester of even numbered years.

**Students must complete a 3-credit course in "United States Cultures (US)" and a 3-credit course in "International Cultures (IL)."**

\*SRA Internship: (1) Supervised work experience where the student is employed in an information science and technology position in industry, government or academia. SRA students are required to complete one internship, but may complete three. For more information, contact IST Internship Coordinator, Jane Kochanov at jxs121@psu.edu.

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