

### Cybersecurity Specialisation Pathway

This document is to facilitate student planning. The definitive guide to the NPSIA Program is Carleton’s Graduate Calendar: <https://calendar.carleton.ca/grad/gradprograms/internationalaffairs/>. It is the student’s responsibility to ensure their degree requirements are met. We recommend that students fulfill their degree requirements as early as possible; this prioritisation of required courses is reflected in the pathway sequence outlined below.

#### Cybersecurity Coursework Option

Year One Fall	<p><b>Required</b></p> <p>INAF 5016 [0.5] Statistical Analysis for International Affairs            INAF 5017 [0.25] Policy Process and International Affairs            INAF 5018 [0.25] Law and International Affairs            CYBR 5000A [0.5 of 1.0] Science and Social Science of Cyber Security</p> <p><b>Other Requirements</b></p> <p><i>Language requirement completed as early as possible.</i>  <i>NB: Students need to complete the above 1.5 credits to be eligible to apply for coop for summer.</i></p>	1.5 credits
Year One Winter	<p><b>Required</b></p> <p>INAF Economics Course [0.5]            CYBR 5000B [0.5 of 1.0] Science and Social Science of Cyber Security</p> <p><b>Other Requirements</b></p> <p>*INAF Course [0.5] in area of specialisation or approved in consultation with Coordinator of Specialisation*  <i>NB: Students cannot enroll in their mandatory economics course without completing their economics prerequisite in advance of this term. Students must complete their economics requirement in this semester to be eligible for a second coop term.</i></p>	1.5 credits
Year One Spring/ Summer	<p>Potential COOP</p> <p><i>Potential INAF Courses of Students Choosing - Field or Elective [0.5]</i></p>	Remaining 2.0 credits
Year Two Fall	<p>Potential COOP</p> <p><i>Potential INAF Courses of Students Choosing - Field or Elective [0.5]</i></p>	
Year Two Winter	<p><b>Other Requirements</b></p> <p>INAF Course of Student’s Choosing - Field or Elective</p>	
Year Two Spring/ Summer	<p><i>Coop provides students with additional term to complete program.</i></p> <p>Remaining INAF Courses as needed</p>	
Total		5.0 credits

**\*Approved Courses:** INAF 5210 Technology and War; INAF 5221 Economics of Security and Intelligence; INAF 5225 Cybersecurity in Canada; INAF 5226 Cyber Warfare; INAF 5234 National Security Policy and Law; INAF 5254 Capstone in Canadian Security Policy; INAF 5301 Strategic Foresight in International Security; INAF 5411 Internet Governance.

**NB: If the approved cyber course is listed as a field course, it will also count towards the 1.5 field course requirement.**

**Cybersecurity Research Essay Option**

Year One Fall	<p><b>Required</b>            INAF 5016 [0.5] Statistical Analysis for International Affairs            INAF 5017 [0.25] Policy Process and International Affairs            INAF 5018 [0.25] Law and International Affairs            CYBR 5000A [0.5 of 1.0] Science and Social Science of Cyber Security</p> <p><b>Other Requirements</b>  <i>Language requirement completed as early as possible.</i>  <i>NB: Students need to complete the above 1.5 credits to be eligible to apply for coop for summer.</i></p>	1.5 credits
Year One Winter	<p><b>Required</b>            INAF Economics Course [0.5]            CYBR 5000B [0.5 of 1.0] Science and Social Science of Cyber Security            INAF 5015 Research Methods [0.5]</p> <p><i>NB: Students cannot enroll in their mandatory economics course without completing their economics prerequisite in advance of this term.</i></p>	1.5 credits
Year One Spring/ Summer	<p>Potential COOP  <i>Potential INAF Courses of Students Choosing - Field or Elective [0.5]</i></p>	Remaining 2.0 credits
Year Two Fall	<p>Potential COOP  <i>Potential INAF Courses of Students Choosing - Field or Elective [0.5]</i></p>	
Year Two Winter	<p><b>Required</b>            INAF 5908 MRE [1.0]  <i>MRE needs to reflect cybersecurity specialisation.</i>  <i>Continuous registration in INAF 5908 is required until MRE is completed.</i></p> <p><b>Other Requirements</b>            INAF Course [0.5] of Student's Choosing - Field or Elective</p>	
Year Two Spring/ Summer	<p><i>Coop provides students with additional term to complete program.</i>            Remaining INAF Courses as needed</p>	
TOTAL		5.0 credits

**Cybersecurity Thesis Option**

Year One Fall	<p><b>Required</b>            INAF 5016 [0.5] Statistical Analysis for International Affairs            INAF 5017 [0.25] Policy Process and International Affairs            INAF 5018 [0.25] Law and International Affairs            CYBR 5000A [0.5 of 1.0] Science and Social Science of Cyber Security</p> <p><b>Other Requirements</b>  <i>Language requirement completed as early as possible.</i>  <i>NB: Students need to complete the above 1.5 credits to be eligible to apply for coop for summer.</i></p>	1.5 credits
Year One Winter	<p><b>Required</b>            INAF Economics Course [0.5]            INAF 5015 Research Methods [0.5]            CYBR 5000B [0.5 of 1.0] Science and Social Science of Cyber Security</p> <p><i>NB Students cannot enroll in their mandatory economics course without completing their economics prerequisite in advance of this term. Students must complete their economics requirement in this semester to be eligible for a second coop term.</i></p>	1.5 credits
Year One Spring/ Summer	Potential COOP	
Year Two Fall	<p><b>Required</b>            INAF 5909 Thesis [2.0]  <i>Thesis needs to reflect Cyber Security Specialisation.</i>  <i>Continuous registration in INAF 5908 is required until Thesis is completed.</i></p>	Remaining 2.0 credits
Year Two Winter	<p><b>Required</b>            INAF 5909 Thesis [2.0]  <i>Continuous registration in INAF 5908 until Thesis is completed.</i></p>	
TOTAL		5.0 credits

Cybersecurity Specialisation Completion Checklist	Satisfied
Language Requirement	
INAF 5016 – Required Statistics Class [0.5 credit]	
INAF 5017 - Required Policy Class [0.25 credit]	
INAF 5018 - Required Law Class [0.25 credit]	
INAF Economics Requirement [0.5 credit] <ul style="list-style-type: none"> <li>IEP field requires 1.0 credits in economics</li> </ul>	
Minimum 3.5 INAF Course Credits (includes required courses)	
Field Designation (if student chooses) at least 1.5 credits are in the chosen field	
Cybersecurity Requirements fulfills: <ul style="list-style-type: none"> <li>CYBR 5000 [1.0] Science and Social Science of Cyber Security</li> <li>Coursework: INAF Course [0.5] in area of specialisation</li> <li>MRE/Thesis: Topic reflects cybersecurity specialisation</li> </ul>	
For Non-NPSIA Courses: <ul style="list-style-type: none"> <li>No more than 1.5 credits from courses from other departments</li> <li>No more than 1.0 credit from a single department outside NPSIA</li> <li>All non-NPSIA courses must be approved by NPSIA Associate Director</li> </ul>	
No lower than a B- grade in any course credited to their MA program. NB If students receive grades C+ or lower in two or more courses, they will be withdrawn from the NPSIA program.	
Full Time Students: Completion of degree requirements within two calendar years; each coop term extends this time limit by one term.	
Part Time Students: Completion of degree requirements within six calendar years (terms of non-registration are counted within this six-calendar year time frame).  <i>Part time students must register for a minimum of one term in three and must successfully complete INAF 5016, INAF 5017, INAF 5018 and their economics course requirement within their first 2.5 program credits.</i>	
Credits add up to 5.0 credits	

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