College of Liberal Arts and Human Sciences (CLAHS)
Department of Political Science
Integrated Security Minor: General Security, Securing Cyber, and Human Security Tracks
Checksheet for student date of entry under UG 2021-2022

Name:_____ _   Email:_____

____ Major:_____

PLEASE NOTE: THERE ARE 3 OPTIONS TO CHOOSE FROM IN THE INTEGRATED SECURITY PATHWAYS
MINOR. ALL STUDENTS IN ALL 3 OPTIONS WILL TAKE THE INTRODUCTORY AND CAPSTONE COURSES
TOGETHER . TRACKS ARE DENOTED BELOW BY A - GENERAL SECURITY TRACK, B - SECURING CYBER
TRACK, C – HUMAN SECURITY TRACK

Also note: no more that SO% of the graded course credit hours required for the Minor in Integrated
Security may be double-counted by a student also enrolled in his/her major.

A minimum of 18-21 hours depending on minor track listed below: [Pathways courses are indicated
and marked with an *] [Courses with prerequisites are marked with #)

I.htroductory Course (3 credits hours)

  htroductory Course: *BIT/CS/PSCI 2164: Foundations of Contemporary Security
  Environments (Quantitative & Computational Thinking (Sf)), Reasoning in the Social Sciences;
  Intercultural/Global Awareness)

                                                                          _____(3)

II. Middle Courses (12-15 credit hours)

   A.   General Security Track – One Course from Each Block (12 credit hours)

   Block 1
   - •CS 1014: Introduction to Computational Thinking (Quant &
     Comp (Sf))
   - CS 1054: Introduction to Programming in Java
   - CS 1064: Introduction to Programming in Python
   - CS 1114: Introduction to Software Design
   - *SOC/HD 2104: Quantitative Approaches to Community Research
     (Quant & Comp (Sf))
   - *STS/HIST/SOC : 2604 Introduction to Data in Social Context
     (Humanities)
   - *HD 3024: Community Analytics (Advanced/Applied Quant & Comp)

   - *BIT 4604: Data Governance, Privacy, and Ethics (Humanities)#   _____(3)
   Block 2 (Human Security)
   - *HIST 13S4: Conflict and Security in Modern East Asia
     (Humanities / Social Science)
   - *PSVP/SOC 2044: Peace and Violence (Social Science)
   - PSCI/IS 3104: Security Studies: Theories and Concepts   _____(3)

- PSCI/IS 3114: Global Security#
- PSCI/IS 3134: Global Conflict and War
- PSCI/IS 3184: Human Security#
- HIST 3714: War and Medicine
- BIT 4604: Data Governance, Privacy, and Ethics

Block 3 (Cybersecurity)

- ECE 2174: Principles of Computer Systems
- *HIST 2716: History of Technology {Social Science)
- PSCI /IS 3044: The Politics of Internet Governance#
- PSCI/IS 3054: The Dark Web and Threat Analysis
- PSCI/IS 4074: The Politics of Cybersecurity#
- *FIN 4014 Cyberlaw (Social Science)
- BIT 4614: Information Security#
- ECE 4560: Computer and Network Security Fundamentals#
- *CRIM 4474: Cyber Criminology (Social Science)#
- CS 4264: Principles of Computer Security#

_____(3)

Block 4 (Environmental Security)

- *AAEC 1264: Peace Economics (Social Science)
- *AAEC 3324: Environment Sustain Development Econ (Soc Sci/Identity & Equity)
- *GEOS 1034: Earth's Natural Hazards (Natural Sciences)#
- *GEOG/WATR 2004: Water, Environment (Social Sciences)
- GEOG/IS/PSCI 2034: Geography of Global Conflict
- *GEOG 3104: Environmental Problems (Social Sciences)
- PSCI 3344: Global Environmental Issues
- *STS 2454: Science, Technology, and Environment (Humanities)

_____(3)

B. Securing Cyber Track - One Course from Each Block (12 credit hours)

Block 1 (Cybersecurity Infrastructure)

- *CS 1014: Introduction to Computational Thinking (Quant & Comp Thinking (Sf))
- CS 1064: Introduction to Programming in Python
- CS 1054: Introduction to Programming in Java
- CS 1114: Introduction to Software Design

_____(3)

Block 2 (Cybersecurity and Society)

- *CRIM 4474: Cyber Criminology (Social Science; Ethical Reasoning)
- GEOG/IS/PSCI 2034: Geography of Global Conflict
- *HIST/STS 2716: History of Technology (Social Sciences)

_____(3)

- PSCI/IS 3054: The Dark Web and Threat Analysis
- PSCI/IS 4074: The Politics of Cybersecurity#

Block 3 (Cybersecurity Risk and Governance)

- *FIN 4014: Cyberlaw and Policy (Social Sciences,Ethical)
- *BIT 4604: Data Governance, Privacy,and Ethics# (Humanities,Ethical Reasoning)
- BIT/ACIS 4554: Networks and Telecommunications in Business#
- BIT 4614: Information Security#
- ECE 4560: Computer and Network Security Fundamentals#
- BIT 4624: Cybersecurity Analytics for Business#
- CS 4264: Principles of Computer Security#   _____ _____(3)

Block 4 (One additional course from any of the above blocks in the Securing Cyber Track)   _____(3)

C. Human Security Track - (9 Credit Hours from Block 1, 6 Credit hours from block 2)

Block 1 (Foundations of Human Security)
- *GEOG/IS/PSCI 2054: Introduction to World Politics (Reasoning in the Social Sciences)   _____(3)
- *PHIL 2304: Global Ethics (Critical Thinking in the Humanities, Ethics)   --'——(3)
- IS/PSCI 3184: Human Security#   _____(3)

Block 2 (Exploring Human Security)
- AAEC 1264: Peace Economics
- *PSVP/SOC 2044: Peace and Violence
- GEOG 2034: Geography of Global Conflict
- SOC 3004: Social Inequality#
- IS/PSCI 3104: Security Studies: Theories and Concepts
- IS/PSCI 3114: Global Security
- IS/PSCI 3134: Global Conflict and War   _____(3)
- IS/PSCI 3154: Topics in Global Public Policies
- IS/PSCI 3175: Global Development
- PSCI/UAP 3344: Global Environmental Issues
- IS/PSCI 3634: Human Rights
- HIST 3714: War and Medicine
- IS/PSCI 4024: Seminar: Diplomacy and Security
- SOC/PSVP 4444: Schools, Violence and Justice   _____(3)

III. Capstone Course (3 credits hours)
- *BIT/CS/PSCI 4164: Future of Security (Discourse A, Ethics)   _____(3)

GENERAL SECURITY TRACK NOTES:

- One course in addition to the two required courses must be a designated Pathways course that meets a third Pathways objective.
  Example: If Foundations of Security is taken as a Pathways Computational Thinking course,and Security Solutions is taken as a Discourse Pathways course, then the student must choose his or her third Pathways course from the selected courses that meets a third Pathways objective such as Reasoning in the Social Sciences, Critical Thinking in the Humanities, etc.
- In addition to the *Future of Security* course, 3 credit hours must be taken at the 3000/4000 level.
- #Some courses listed on this checksheet have prerequisites; please consult the University Course Catalog,or check with your advisor.
- No more than 50% of courses in the minor can be duplicated in the major.

SECURING CYBER TRACK NOTES:

- One course in addition to the two required courses must be a designated Pathways course that meets a third Pathways objective.
  Example: If Foundations of Security is taken as a Pathways Computational Thinking course, and Security Solutions is taken as a Discourse Pathways course, then the student must choose his or her third Pathways course from the selected courses that meets a third Pathways objective such as Reasoning in the Social Sciences,Critical Thinking in the Humanities, etc.
- #Some courses listed on this checksheet have prerequisites, please consult the University Course Catalog, or check with your advisor.
- No more than 50% of courses can count towards the student's major.

HUMAN SECURITY TRACK NOTES:

- One elective must be taken at the 3000/4000 level.
- #Some courses listed on this checksheet have prerequisites; please consult the University Course Catalog,or check with your advisor.
- No more than 50% of the courses may be duplicated in the major

Declaring a Minor and Advising:

- Declare the Integrated Security Pathways Minor-Human Security Track in the IS-DA Minor advising offices, 527A & B, Major Williams Hall.
- Include the minor information when updating your application for a degree.
- See an advisor in Political Science during pre-registration.
- Once a minor is declared, a student cannot graduate untilshe or he has either satisfied the requirements for the minor or withdrawn from the minor by notifying the IS-DA academic advisors in 527A & B in Major Williams Hall, AND revised her or his OARS.