M.S. in Cybersecurity
Program Planning Guide

NOTES
1. Program requirements to completion: **30 credits beyond the Foundation courses**. Foundation courses are not eligible to be used as electives.
2. All degree requirements must be met within seven (7) years of enrolling in the first course applied towards the program. International students may be required to complete *EAP 500 English for Academic Purposes*.
3. New students may have to take IT 510 and CSIT 512 depending on their academic and/or professional experience.
4. It is the student's responsibility to (a) know and follow the program requirements and fulfill them, (b) plan their semester course schedules to remain compliant with external requirements (e.g. visa, scholarship) using the projected schedule below (schedule subject to adjustment), and, (c) request written approval for any course substitutions from your academic adviser or program director prior to enrollment. Failure to receive approval for course substitutions prior to enrollment may result in a delay in program completion.

Student Name: _____ **Term/Year of first course:** _____

REQUIREMENTS	CREDITS	WAIVED	SEMESTER OFFERED	PREREQUISITES	SEMESTER	GRADE
FOUNDATION COURSES						
EAP 500 English for Academic Purposes	(3)		FALL, SPRING	None		
IT 510 Computing Hardware & Software Sys	3		FALL, SPRING	None		
CSIT 512 Elements of Computer Programming	3		FALL, SPRING	None		
Foundation Total:	3-9					
CYBERSECURITY CORE - REQUIRED COURSES						
CYBR 548 Telecommunications & Networking	3		FALL, SPRING	None		
IT 530 Applied Database Concepts	3		FALL, SPRING	IT 510, CSIT 512		
CYBR 555 Information Systems Security	3		FALL, SPRING	IT 510		
CYBR 534 Network & Internet Security	3		FALL, SPRING	CYBR 555		
CYBR 521 Info Assurance & Risk Assessment	3		FALL, SPRING	CYBR 555		
CYBR 532 Computer Forensics	3		SPRING	CYBR 555		
CYBR 535 Security Policy, Ethics & Law	3		FALL	CYBR 555		
CYBR 556 Ethical Hacking	3		FALL, SPRING	CYBR 534		
CYBR 560 Cybersecurity Capstone	3		FALL, SPRING	CYBR 521, CYBR 534, (CYBR 532 or CYBR 556), CYBR 535		
CYBERSECURITY ELECTIVES (select <u>ONE</u> from the following)						
CYBR 537 Applied Encryption & Cryptology	3		SPRING even years	CYBR 555		
CYBR 599 Special Topics	3		Varies[1]	Course dependent		
CYBR 597 Cybersecurity Practical Training	3		Any semester[2]	15 program credits, 3.4 GPA, & Permission of Instructor		
Program Total (Core+Electives):	30					

[1] *CYBR 599 Special Topics* are announced no earlier than the time that course schedules for the next semester are announced. Students should not depend on these courses for graduation as their availability and frequency of offering varies.

[2] *CYBR 597 Cybersecurity Practical Training* requires that the student makes the necessary arrangements with an organization (e.g. industry, government) to work in the area of cybersecurity. It requires a signed cooperative agreement or a letter from the prospective employer and for international students may require additional paperwork from the DSO. Students must begin their search for a suitable organization to host them for practical training well in advance from the time they meet the prerequisites. For practical training opportunities, students should contact the Hood College Career Center. Once the students have identified an opportunity, they are strongly encouraged to contact their academic advisor to ensure the suitability of the opportunity and plan the next steps.

- The following courses are also cross-listed with a CSIT prefix. Check the Hood College Catalog for the corresponding prerequisites: CYBR 555, CYBR 548, CYBR 534, CYBR 532, CYBR 537, CYBR 566.
- The following courses are also cross-listed with an IT prefix. Check the Hood College Catalog for the corresponding prerequisites: CYBR 521, CYBR 535

Advisor Signature & Date: _____