Appendix C

Course Requirements for
Cyber Defense – Technical Track
Master of Science (30 Credits)

1. The DSU Master of Science degree in Cyber Defense – Technical Track requires the completion of at least thirty (30) hours of course work distributed among required core courses and track courses.
2. Three (3) graduate credits will be awarded for each eighty (80) contact hours of NSA-sponsored coursework, not to exceed twelve (12) credit hours for any given course or combination of courses.
3. No more than ten (10) years have passed since completion of the course to be recorded. Training that is older than 10 years may be approved by the DSU program coordinator if sufficient currency can be shown to have been maintained in the area by the applicant.
4. Students will complete the remaining eighteen (18) credit hours toward completion of the degree through online course delivery.
5. Letters of recommendation will not be required in the application process.
6. The core courses must be taken through DSU totaling twelve (12) credits, plus two (2) of the Cyber Defense Technical track courses for six (6) credits.
7. The remaining twelve (12) credits may be earned through the articulation agreement between DSU and NCU, offering students a flexible approach to allow them to apply specific work-related training, as defined in this document.
   a. Twelve (12) graduate credit hours will be granted to enrollees who have completed CYBR3420 or CYBR3422 and have not previously obtained credit as part of an undergraduate degree program. Six (6) credits in the Track * and six (6) credits of electives **.
   b. For other NCU-sponsored coursework, coursework will be granted on a per-course basis within the parameters of this agreement to 1) enrollees who have not completed CYBR3420 or CYBR3422 and 2) enrollees who have completed CYBR3420 and CYBR3422 programs but have already applied the credits towards an undergraduate degree. (*See per-course table below*)

DSU COURSE NUMBER, TITLE and NUMBER of CREDITS			NCU COURSE NUMBER, TITLE and NUMBER of CREDITS		
Core Classes		**12**			
INFA 702	Data Privacy	3			
INFA 713	Managing Security Risks	3			
INFA 735	Offensive Security	3			
INFA 754	Network Security Monitoring and Intrusion Detection	3			
Technical Track Courses		**18**			
INFA 721	Computer Forensics	3			
INFA 732	Malware Analysis	3			
INFA 723	Cryptography *	3			
INFA 751	Wireless Security *	3			
	Approved Electives **	6			
Total Program Credits		**30**			
			NCU COURSE NUMBER, TITLE and NUMBER of CREDITS		
Per-course Credits Table			Course Code	Hours	Transfer Credits
CSC716	Secure Software Engineering**	3	CYBR3300 CYBR3400 CYBR3500 CYBR3600 CYBR3700 MATH4330	24 Hours 16 Hours 16 Hours 24 Hours 16 Hours 48 Hours	80 Aggregate Contact Hours must be completed to receive 3 Credits

			COMP1022	1 Hour	
			COMP1023	4 Hours	
			CYBR2103	32 Hours	
			CYBR2106	36 Hours	
CSC748	Software Exploitation**	3	ATNO3271	8 Hours	80 Aggregate Contact Hours must be completed to receive 3 Credits
			ATNO4271	8 Hours	
			ATNO4273	80 Hours	
			ATNO4275	80 Hours	
			CYBR2400	240 Hours	
			CYBR3000	40 Hours	
			CYBR3100	40 Hours	
			CYBR3810	40 Hours	
			CYBR4200	40 Hours	
			CYBR4210	40 Hours	
			CYBR4500	40 Hours	
			COMP3500	80 Hours	
			COMP3510	80 Hours	
INFA723	Cryptography*	3	CRYP2650	80 Hours	80 Aggregate Contact Hours must be completed to receive 3 Credits
			CRYP2700	60 Hours	
			CRYP3131	80 Hours	
			CRYP3132	80 Hours	
			CRYP3133	40 Hours	
			CRYP3180	160 Hours	
			CRYP3190	120 Hours	
			ATNO4253	40 Hours	
			IAEC1120	8 Hours	
			IAEC2300	2 Hours	
			IAEC3285	40 Hours	
			IAEC4310	40 Hours	
			MATH3140	200 Hours	
			CYBR2102	32 Hours	
			NETW1100	424 Hours	
			NETW4001	40 Hours	
			NETW4211	40 Hours	
			NETW4220	40 Hours	
INFA751	Wireless Security*	3	NPGS4745EC	3 Credits	80 Aggregate Contact Hours must be completed to receive 3 Credits
			NPGS4770EC	3 Credits	
			CYBR1030	40 Hours	
			CYBR1330	32 Hours	
			CYBR2102	32 Hours	
			CYBR2400	240 Hours	
			CYBR2450	520 Hours	
			CYBR3015	40 Hours	
			NETA2016	4 Hours	
			NETA3001	240 Hours	
			NETW1007	8 Hours	
			NETW1051	48 Hours	
			NETW1052	40 Hours	
			NETW2053	40 Hours	
			NETW3007	32 Hours	
			NETW3008	40 Hours	
			NETW3009	24 Hours	
			NETW3010	40 Hours	
			NETW3100	40 Hours	
			NETW3101	72 Hours	
			NETW3455	32 Hours	
			NETW4211	40 Hours	
			NETW4220	40 Hours	
			NETW4257	32 Hours	
			NETW4259	40 Hours	
			SIGC3803	160 Hours	

Appendix C

	Elective**	**3**			80 Aggregate Contact Hours must be completed to receive 3 Credits

Evaluator	**Date**	
1.		
2.		
3.		
Student's First Name	**Initials**	
Student's Last Name		