Appendix B

Course Requirements for
Computer Science with No Specialization
Master of Science (30 Credits)

1. The DSU Master of Science degree in Computer Science with No Specialization requires the completion of at least thirty (30) hours of course work distributed among required core courses and elective 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. Four (4) of the core courses must be taken through DSU, plus CSC 718 and one (1) Approved elective, totaling eighteen (18) 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. Three (3) credits for CSC 786 Cyber Problems in the core and nine (9) credits of courses of Approved 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 Credit Table below*)
   c.

DSU COURSE NUMBER, TITLE and NUMBER of CREDITS			NCU COURSE NUMBER, TITLE and NUMBER of CREDITS		
Core Classes		**15**			
CSC 705	Design and Analysis of Algorithms	3			
CSC 712	Data Structures	3			
CSC 720	Theory of Computation	3			
CSC 722	Machine Learning Fundamentals	3			
CSC 786	Cyber Problems	3			
No Specialization Courses		**15**			
CSC 718	Operating Systems and Parallel Programming	3			
CSC/INFA /INFS	Approved Elective: 500 – 700 Level Courses	3			
CSC/INFA /INFS	Approved Elective: 500 – 700 Level Courses	3			
CSC/INFA /INFS	Approved Elective: 500 – 700 Level Courses	3			
CSC/INFA /INFS	Approved Elective: 500 – 700 Level Courses	3			
	Total Program Credits	**30**			

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	Per-course Credit Table (NCU/DSU *Approved Electives*)		NCU COURSE NUMBER, TITLE and NUMBER of CREDITS		
			Course Code	Hours	Transfer Credits
CSC716	Secure Software Engineering	3	CYBR3300 CYBR3400 CYBR3500 CYBR3600 CYBR3700 MATH4330 COMP1022 COMP1023 CYBR2103 CYBR2106	24 Hours 16 Hours 16 Hours 24 Hours 16 Hours 48 Hours 1 Hour 4 Hours 32 Hours 36 Hours	80 Aggregate Contact Hours must be completed to receive 3 Credits
CSC748	Software Exploitation	3	ATNO3271 ATNO4271 ATNO4273 ATNO4275 CYBR2400 CYBR3000 CYBR3100 CYBR3810 CYBR4200 CYBR4210 CYBR4500 COMP3500 COMP3510	8 Hours 8 Hours 80 Hours 80 Hours 240 Hours 40 Hours 40 Hours 40 Hours 40 Hours 40 Hours 40 Hours 80 Hours 80 Hours	80 Aggregate Contact Hours must be completed to receive 3 Credits
INFA723	Cryptography	3	CRYP2650 CRYP2700 CRYP3131 CRYP3132 CRYP3133 CRYP3180 CRYP3190 ATNO4253 IAEC1120 IAEC2300 IAEC3285 IAEC4310 MATH3140 CYBR2102 NETW1100 NETW4001 NETW4211 NETW4220	80 Hours 60 Hours 80 Hours 80 Hours 40 Hours 160 Hours 120 Hours 40 Hours 8 Hours 2 Hours 40 Hours 40 Hours 200 Hours 32 Hours 424 Hours 40 Hours 40 Hours 40 Hours	80 Aggregate Contact Hours must be completed to receive 3 Credits
INFA773 Or INFS 751	Mobile Communication and Advanced Network Security Wireless Security	3	NPGS4745EC NPGS4770EC CYBR1030 CYBR1330 CYBR2102 CYBR2400 CYBR2450 CYBR3015 NETA2016 NETA3001 NETW1007 NETW1051 NETW1052 NETW2053 NETW3007 NETW3008 NETW3009	3 Credits 3 Credits 40 Hours 32 Hours 32 Hours 240 Hours 520 Hours 40 Hours 4 Hours 240 Hours 8 Hours 48 Hours 40 Hours 40 Hours 32 Hours 40 Hours 24 Hours	80 Aggregate Contact Hours must be completed to receive 3 Credits

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			Course	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	
	Approved 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		