

Appendix A

Course Requirements for Cyber Operations Bachelor of Science (120 Credits)

1. The DSU Bachelor of Science degree in Cyber Operations requires the completion of at least one hundred twenty (120) hours of coursework distributed among required core courses and specialization courses.
2. Upon successful completion of the JCAC, CYBR3420, or CYBR3422 program requirements, DSU will accept up to 45 credits from NSA prior to transferring to DSU. JCAC has undergone multiple iterations; for the purpose of this agreement, the following abbreviations will be used in relation to their ACE ID.
 - a. JCACv01 = NV-1402-0296 (10/09 – 12/15)
 - b. JCACv02 = NV-1402-0296 (01/16 – 12/20)
 - c. JCACv03 = NV-1402-0296 (01/21 – present)
3. No more than ten (10) years have passed since the 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 must take the Exit Exam prior to graduation.
5. DSU will waive the graduation requirements that 15 of the last 30 credits for the baccalaureate degree must be earned as institutional credits.
6. DSU will waive the admission requirement that a student to provide their high school transcript or GED with scores based on military admissions requirements.
7. DSU allows degree-seeking students who are currently enrolled to earn academic credit for non-traditional learning experience when those experiences are equivalent to coursework provided at DSU. DSU awards credit for external certifications through non-traditional learning; such certifications will be evaluated on a case-by-case basis.
8. Credits earned through nationally normed exams (AP, CLEP, DSST, etc.) are accepted. The permanent record will show the equivalent course name and a grade of EX for the specific number of credits.

DSU COURSE NUMBER, TITLE and NUMBER of CREDITS			NCU COURSE NUMBER, TITLE and NUMBER of CREDITS		
Cyber Operations Major Content Courses		45			
CSC234	Software Security	3			
CSC250	Computer Science II	3			
CSC300	Data Structures	3			
CSC314	Assembly Language	3			
CSC334	Web Development	3			
CSC404	Foundation of Computation	3			
CSC420	Cellular and Mobile Communications	3			
CSC428	Reverse Engineering	3			
CSC432	Malware Analysis	3			
CSC436	Offensive Network Security	3			
CSC437	Survey of Enterprise Systems	3			
CSC438	Defensive Network Security	3			
CSC439	Threat Hunting and Incident Response	3			
CSC456	Operating Systems	3			
MATH201	Introduction of Discrete Mathematics	3			

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Other Coursework with Transferrable Credits					
CSC105	Introduction of Computers	3	JCAC v01 or JCAC v02 or JCAC v03	Joint Cyber Analysis (10/09-12/15) Joint Cyber Analysis (01/16-12/20) Joint Cyber Analysis (01/21-Present)	3
CSC134	Introductions to Cyber Operations	3	JCAC v01 or JCAC v02 or JCAC v03	Joint Cyber Analysis (10/09-12/15) Joint Cyber Analysis (01/16-12/20) Joint Cyber Analysis (01/21-Present)	3
CSC150	Computer Science I	3	JCAC v01 or JCAC v02 or JCAC v03	Joint Cyber Analysis (10/09-12/15) Joint Cyber Analysis (01/16-12/20) Joint Cyber Analysis (01/21-Present)	
CSC163	HW, Virtualization, and Data Comm	3	JCAC v01 or JCAC v02 or JCAC v03	Joint Cyber Analysis (10/09-12/15) Joint Cyber Analysis (01/16-12/20) Joint Cyber Analysis (01/21-Present)	3
CSC285	Networking I	3	JCAC v01 or JCAC v02 or JCAC v03	Joint Cyber Analysis (10/09-12/15) Joint Cyber Analysis (01/16-12/20) Joint Cyber Analysis (01/21-Present)	3
CSC321	Information Security Management	3	CYBR3420 or CYBR3422	ROC Foundations Training Computer Network Qualification Course	3
CSC328	Operating Environments	3	JCAC v01 or CYBR3420 or CYBR3422	Joint Cyber Analysis (10/09-12/15) ROC Foundations Training Computer Network Qualification Course	3
CSC385	Networking II	3	CYBR3420 or CYBR3422	ROC Foundations Training Computer Network Qualification Course	3
CSC421	Web Software Security	3	CYBR3420 or CYBR3422	ROC Foundations Training Computer Network Qualification Course	3
CSC388	Computer Forensics Fundamentals	3	JCAC v02 or JCAC v03	Joint Cyber Analysis (01/16-12/20) Joint Cyber Analysis (01/21-Present)	3
CIS484	Database Management Systems	3	JCAC v01 or JCAC v02 or JCAC v03	Joint Cyber Analysis (10/09-12/15) Joint Cyber Analysis (01/16-12/20) Joint Cyber Analysis (01/21-Present)	3
CIS487	Database Programming	3	CYBR3420 or CYBR3422	ROC Foundations Training Computer Network Qualification Course	3
	Free Elective	3	CYBR3420 or CYBR3422	ROC Foundations Training Computer Network Qualification Course	3
	Free Elective	3	CYBR3420 or CYBR3422	ROC Foundations Training Computer Network Qualification Course	3
	Free Elective	3	CYBR3420 or CYBR3422	ROC Foundations Training Computer Network Qualification Course	3
General Education Requirements		30			
	Written Communication	6			
	Oral Communication	3			
	Social Science	6			
	Art & Humanities	6			
	Mathematics	3			
	Natural Science	6			
	Major content credit required at DSU	45			
	General Education Credits Required	30			
	Articulated Credits from NSA (up to)	45			
Total for Program		120			

Appendix A

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