

CPSC 300	Computer Architecture and Operating Systems	3		
CPSC 330	Data Structures and Algorithms	3	Comp 3400: Algorithms	
CPSC 360	Programming Languages	3		
CPSC 363	Software Development	3		
CPSC 399	Internship	3		
CPSC 449	Ethics Seminar	1		
CPSC 452	Computer Capstone Seminar Experience	1	Comp 4405: Capstone Project-Product Launch	
MATH 231 or MATH 212	Calculus with Analytic Geometry I or Applied Calculus	5 or 3	Math-1110: Applied Calculus for Health Sciences	
MATH 300	Introduction to Mathematical Reasoning	3		
MATH 340	Discrete Computational Structures	3		
MATH 331 or STAT 261	Linear Algebra or Applied Statistics	3	Math-1120: Biostatistics	
Take 6 credits from:				
CPSC 210	Human Computer Interaction	3		
CPSC 260	Fundamental Programming for Data Mining and Analysis	3		
CPSC 310	High Performance Computing for Big Data and AI	3		
CPSC 316	Web Application Development	3		
BSAD/CPSC 323	Networking & Telecommunication	3		
BSAD/CPSC 421	Databases	3		
CPSC 430	Topics in Computer Science	3	COMP 1100 or other COMP elective	
CPSC 441	Machine Learning	3		
No Exact Matches				
Courses with no direct equivalency will meet elective requirements and/or core requirements				

TRANSFER Curriculum Mapping				
Grand View University Data Science Major				
GVU Major Requirement		Credits	UHSP Course Transfer Equivalent	Credits
Transfer Credit Equivalents				
DATA 101	Introduction to Data Analytics	3	Data 1100: Introduction to Data Literacy and Analytics	
DATA 321	Data Visualization	3		
MATH 231	Calculus with Analytic Geometry I	5		
MATH 232	Calculus with Analytic Geometry II	5		
MATH 331	Linear Algebra	3		
STAT 261	Applied Statistics	3		
STAT 341	Applied Regression Analysis and Modeling	3		
CPSC 241	Computer Science I	3		

CPSC 242	Computer Science II	3		
CPSC 260	Programming for Data Wrangling and Data Mining	3		
CPSC 310	High Performance Computing for Big Data and AI	3		
CPSC 421	Databases	3		
CPSC 441	Machine Learning	3		
CPSC 399	Internship	1-3		
CPSC 449	Ethics Seminar	1		
CPSC 452 or MATH 450	Senior Capstone Seminar or Senior Seminar	3 or 3	Comp 4405: Capstone Project-Product Launch	
Take 2 of the of the following:				
STAT 361	Introduction to Probability Theory	4		
STAT 430	Topics in Statistics	3		
STAT 441	Design and Analysis of Experiments	3		
STAT 461	Spatiotemporal Data Analysis	3		
STAT 465	Bayesian Analysis	3		
No Exact Matches				
Courses with no direct equivalency will meet elective requirements and/or core requirements				

TRANSFER Curriculum Mapping Grand View University Cybersecurity Major				
GVU Major Requirement		Credits	UHSP Course Transfer Equivalent	Credits
Transfer Credit Equivalents				
INTC-110 OR BSAD-145	Intro to Information Technology Systems OR Fundamentals of Information Systems	3 OR 3	Comp 3305: Hardware I	
CYSC-110	Introduction to Cybersecurity	3		
BSAD-365	Project Management	3		
INTC-120 OR BSAD/CPSC-241	Programming for Everyone I OR Computer Science I	3 OR 3	Comp 1101 : Programming for Everyone	
INTC-130 OR CPSC-242	Programming for Everyone II OR Computer Science II	3 OR 3	Comp 1102: Programming for Everyone II	
INTC-210	Networking Technologies and Telecommunications	3	<u>COMP 1100 - Internet History, Tech and Security</u>	
CYSC-210	Cybercrime & Governance	3		
CYSC-420	Future of Cybersecurity	3		
INTC-221	Google Cloud Computing Foundations	3		
STAT-241 OR STAT-239	Principles of Statistics OR Statistics for Social Sciences	4 OR 3	Math-1105: Introduction to Statistics	
ENGL-309	Writing for Business	3		
CYSC-310 (230)	Network and System Security	3		
CYSC-330	Security Operations	3		