

2016 - 2017 Old Dominion University Catalog

Bachelor of Science-Interdisciplinary Studies (Cyber Security)

Sample four year curriculum with a suggested ordering of courses. Students may re-order as needed.
** indicates not automatically waived with transferrable associates degree, C or better required for transfer.*
*Courses in **green** are waived by the completion of an Associate degree (Not eligible for Applied Associate degrees).*

YEAR 1 - FRESHMAN (30-31 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (14-15 credits)	
<u>Lower Division General Education Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Lower Division General Education Coursework:</u>	<u>VCCS Equivalency:</u>
Written Communication I (ENGL 110C)	ENG 111*	Written Communication II (ENGL 231C)	ENG 115 or 131*
Oral Communication (COMM 101R)	CST 100, 105 or 110*	Nature of Science I (Must be in sequence)	Transfer Guide
Info. Literacy and Research	Transfer Guide		
Human Behavior (CRJS 215S or SOC 201S)	Transfer Guide		
<u>Major Coursework:</u>		<u>Major Coursework:</u>	
		MATH 212: Calculus II	MTH 174 or 274*
		Choose One:	
MATH 211: Calculus I (Satisfies Mathematics)	MTH 173 or 273*	IT 210: Business Applications w/C++	CSC 201, 210,
		CS 150: Problem Solving & Programming 1	EGR 125 or EGR 126*

YEAR 2 - SOPHOMORE (30-31 CREDITS)

FALL SEMESTER (15-16 credits)		SPRING SEMESTER (15 credits)	
<u>Lower Division General Education Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Lower Division General Education Coursework:</u>	<u>VCCS Equivalency:</u>
Literature	Transfer Guide	Interpreting the Past	Transfer Guide
Nature of Science II (Must be in sequence)	Transfer Guide		
<u>Major Coursework:</u>		<u>Major Coursework:</u>	
		CS 381 Discrete Math	
		Choose One:	
Choose One:		CS 270: Comp Architecture	CSC 206 or 215*
IT 310: GUI Programming C++		ECE 341: Digital System Design	
CS 250: Problem Solving & Programming	CSC 210*	IT 317: Princ of Technology Architecture	
		Choose One:	
Choose One:		STAT 330: Intro. to Prob/Stat	
CS 170: Intro. Comp. Architecture	CSC 205*	ECE 304: Prob/Stat/Reliability	
ECE 241: Fund. Comp. Engineering	EGR 270 or 277*	BNAL 206: Business Analytics	BUS 216*
CS 252 Intro Unix for Programmers	ITN 171 or 271*	CS 361: Advanced Data Structures & Algorithms	

YEAR 3 -JUNIOR (30 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (15 credits)	
<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Lower Division General Education Coursework:</u>	<u>VCCS Equivalency:</u>
ENGL/IDS 307T: Digital Writing		Philosophy and Ethics (Can be met by PHIL 355E)	Transfer Guide
(satisfies Impact of Technology and IDS Core)		Human Creativity	Transfer Guide
IDS 300W (IDS Core Course required)			
IT 361: Systems Analysis		<u>Major Coursework:</u>	
Choose One:**			
PHIL 355E: Computer Ethics		IT 450 Database Concepts	
CRJS 405: Cyber Crime and Cybersecurity			
Choose One:		ECE 346 Microcontrollers	
ECE 355 Intro Networks & Data Comms			
CS 455 Intro Networks & Comms			
		Cyber Foundations**	

YEAR 4 - SENIOR (30 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (15 credits)	
<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
Cyber Foundations**		Cyber Applications**	
Cyber Foundations**		Cyber Applications**	
Cyber Foundations**		Cyber Applications**	
Cyber Applications**		IDS 368 or 493	
<u>Upper Division Gen. Ed. Coursework***:</u>		<u>Upper Division Gen. Ed. Coursework***:</u>	
Approved 300-/400-level course		Approved 300-/400-level course	

Please Note: This curriculum sheet does not include the University's General Education Language and Culture requirement which will entail an additional six credit hours if it has not been met through high school coursework.

**If CRJS 405 is taken, the Lower Division General Education requirement for the E course must still be completed (PHIL 230E, 250E or 355E).

** From approved list -- please see list in catalog and consult with advisor.

***Upper Division General Education requirement can be met thru Option A- Minor in Computer Science IF the student chooses the following CS courses: 150, 250, 252, 361 (or 330) and six hours of CS at 400 level.