

Course No.	Course Title	Prerequisites	Cred	Sem
General Education Requirements				
ENGL 1010 or ENGH 1005	Introduction to Writing Literacies and Composition	Appropriate placement score ENGL 0890 or appropriate placement score	3 5	Fa/ Sp/ Su Fa/ Sp/ Su
ENGL 2010	Intermediate Writing	ENGL 1010 or ENGL 101H w/ grade of C- or better in the last 3 years	3	Fa/ Sp/ Su
MATH 1050 or MATH 1055 or MATH 1090	College Algebra or College Algebra with Preliminaries or College Algebra with Preliminaries	MAT 1010 or MAT 1015 w/ grade of C or better w/in the past 2 years; or Appropriate placement by the ALEKS placement test: 38-45	4 5 3	Fa/ Sp/ Su Fa/ Sp/ Su Fa/ Sp/ Su
American Institutions: Complete one of the following:			3	
HIST 2700 & HIST 2710	US History to 1877 US History since 1877			Fa/ Sp/ Su
HIST 1700	American History			Fa/ Sp/ Su
HIST 1740	US Economic History			
POLS 1000	American Heritage			Fa/ Sp/ Su
POLS 1100	American National Government			Fa/ Sp/ Su
Complete the following:				
ENGL 2100	Technical Communication (fulfills Humanities Distribution)	ENGL 1010 or ENGH 1005	3	Fa/ Sp/ Su
Distribution Courses: (see catalog for list of approved courses)				
Fine Arts Distribution			3	Fa/ Sp/ Su
Social/Behavioral Science Distribution			3	Fa/ Sp/ Su
Biology Distribution (BIOL 1011 Intro to Bioinformatics recommended)			3	Fa/ Sp/ Su
Physical Science Distribution			3	Fa/ Sp/ Su
Personal, Professional, and Civic Growth			3	Fa/ Sp/ Su
General Education Requirements Total Credits			30-34	
Cybersecurity Core Requirements				
CS 2300	Discrete Math Structures I	CS 1410 or INFO 2200 & MATH 1050 or higher	3	Fa/ Sp/ Su
STAT 2050 or MGMT 2340	Introduction to Statistical Methods or Business Statistics I	MATH 1050 or 1055 or 1080 w/in the past 2 years w/ a grade of C or higher MATH 1050 or 1055 or 1090 or higher	4 3	Fa/ Sp/ Su Fa/ Sp/ Su
INFO 1120	Information Systems and Technology Fundamentals	IM 1010 recommended	3	Fa/ Sp/ Su
INFO 1200	Computer Programming I for IS/IT	MAT 1010 or MAT 1015 recommended; INFO 1120 recommended	3	Fa/ Sp/ Su
IT 1510	Introduction to System Administration--Linux/UNIX	INFO 1120 recommended	3	Fa/ Sp/ Su
IT 1600	Computer Arch Sys Software	INFO 1120 recommended	3	Fa/ Sp/ Su
INFO 2200	Computer Programming II for IS/IT	INFO 1200 or CS 1400 w/in the past 7 years or Dept. Approval, Pre or Corequisite: MATH 1050 or MATH 1055	3	Fa/ Sp/ Su
INFO 2410	Database Fundamentals	INFO 1120 or IM 2010 recommended	3	Fa/ Sp/ Su
IT 2530	Introduction to System Administration--Windows	IT 1600	3	Fa/ Sp
IT 2600 or CS 2600	Data Communication Fundamentals or Computer Networks I	INFO 1120 or INFO 1200 or IT 1600 recommended CS 2810 or (INFO 1200 and IT 1600)	3 3	Fa/ Sp/ Su Fa/ Sp/ Su
CYBR 2700	Information Security Fundamentals	IT 2600 or CS 2600; IT 1600 recommended	3	Fa/ Sp/ Su
CYBR 2800	Computer Forensic Fundamentals	INFO 1120 or IT 1600 or CS 1400 or CJ 1010	3	Fa/ Sp/ Su
INFO 3300	Web Systems Development	(INFO 1200 or IT 1200 or CS 1400) & (INFO 2410 or CS 3520) w/in the past 5 years, UAS, INFO 2420 recommended	3	Fa/ Sp/ Su
INFO 3430	Systems Analysis and Design	[(INFO 2410 and (INFO 2420 or IT 2700)) or [(IM 2600 and IM 2800)] w/in the past 7 years, and (MKTG 220G or ENGL 2100), UAS	3	Fa/ Sp/ Su
INFO 4050G	Global Ethical & Professional Perspectives in IS/IT	INFO 3430, UAS	3	Fa/ Sp/ Su
CS 3110	Applied Cryptography	CS 2300, CS 3100, UAS	3	Fall
CYBR 3700	Ethical Hacking and Countermeasures	IT 1510, CYBR/IT 2700, UAS	3	Fa/ Sp/ Su
CYBR 4150	Data Security Analytics	CYBR 2700/IT, INFO 2410, UAS (INFO 3130 & INFO 3410 recommended)	3	Fall
CYBR 4350	Web and Application Security	CYBR/IT 2700 or CS 2550, UAS; Pre or Corequisite INFO 3300 or CS 3520	3	Fa/ Sp
CYBR 4550	Threat Hunting and Incident Response	CYBR/IT 3700, UAS	3	Fa/ Sp
CYBR 4700	Enterprise Cybersecurity Management	CYBR/IT 2700, UAS; Pre or Corequisite: INFO 3430	3	Fa/ Sp
CYBR 4750	Cybersecurity Capstone	CYBR/IT 3700, CYBR 4350, (CYBR 4150 or CYBR 4550), UAS; Pre or Corequisite: CYBR/IT 4700	3	Fa/ Sp
IT Core Total Credits			66-67	

Cybersecurity Elective Requirements (12 credits) :				12
Select 12 credit hours from the following:				
CS 3140	Network and Cloud Security	CS 2690, CS 3100, UAS	3	Fall
CYBR 3350	Intellectual Property and Cyber Law	Engl 2010 and (INFO 1120 or CS 1030 or LEGL 3000), UAS	3	Fa/ Su
CYBR 3750	Malware Reverse Engineering	[(CS 2370 and CS 3100) or (CYBR/IT 2700)], UAS	3	Fall
CYBR 4250	Database Security and Auditing	INFO 3410 or CYBR/IT 3700, UAS	3	On Sufficient Demand
CYBR 4450	Internet of Things Security	IT 1510, CYBR/IT 2700, UAS	3	On Sufficient Demand
CYBR 4650	Industrial Control Systems Security	IT 1510, CYBR/IT 2700, UAS	3	On Sufficient Demand
CYBR 4760	Case Studies in Cyber Security	CYBR/IT 2700, UAS	3	On Sufficient Demand
CYBR 4800	Advanced Mobile Devices Forensics	CYBR/IT 2800, UAS	3	On Sufficient Demand
CYBR 4590R	Current Topics in Cybersecurity	CYBR/IT 2700, UAS	3	On Sufficient Demand
CYBR 4810R	Internship	CYBR/IT 3700, one 4000 level course in Cybersecurtiy, Dept. Approval, UAS	3	Fa/ Sp/ Su
Lower Division Discipline Electives (6 credits) :				6
Select 6 credit hours from the following:				
CJ 1330	Criminal Law	CJ 1010	3	Fa/ Sp/ Su
CS 2420	Intro to Algorithms and Data Structures	CS 1410 or INFO 2200	3	Fa/ Sp/ Su
INFO 2420	Web Application Design	INFO 1120 or IM 1010 recommended	3	Fa/ Sp/ Su
INFO 2500	Applied AI Concepts		3	Fa/ Sp/ Su
IT 1200	Scripting for Administrators	MAT 1010 or higher, INFO 1120 recommended	3	
IT 2400	Voice and Data Cabling Fundamentals	INFO 1120 or INFO 1200 or CS 1030 or CS 1400	3	Fa/ Sp
Upper Division Discipline Elective (6 credits) :				6
Select 9 credit hours from the following:				
INFO 3130	Introduction to Applied Data Analytics	(MGMT 2340 or STAT 1040 or STAT 1045 or STAT 2040 or STAT 2050 or PSY 3110), basic knowledge of Microsoft Excel, or Dept. Approval, UAS	3	Fa/ Sp/ Su
INFO 3330	Client-Side Web Development	"(INFO 1200 or IT 1200 or CS 1400) & (INFO 2410 or CS 3520) both w/ a C- or better, UAS, INFO 2420 recommended"	3	Fall
INFO 3360	Server-Side Web Frameworks	"(INFO 1200 or IT 1200 or CS 1400) & (INFO 2410 or CS 3520) both w/ a C- or better, UAS, INFO 2420 recommended"	3	Fa/ Sp/ Su
INFO 3410	Database Systems and Warehousing	INFO 2410 or CS 3520 w/ grade C- or higher in last 7 years, UAS	3	Fa/ Sp/ Su
INFO 4120	Data Visualization	INFO 2410 and UAS, INFO 3130 recommended	3	Fa/ Sp
INFO 4410	Database Administration	INFO 2410 or CS 3520 in last 5 years, UAS	3	Fa/ Sp
IT 3510	Advanced System Administration--Linux/UNIX	INFO 1200 or CS 1400, IT 1510 and (IT 2600 or CS 2600) w/C- or higher in last 5 years, UAS	3	Fa/ Sp/ Su
IT 3530	Advanced System Administration--Windows Server	INFO 1200 , IT 2530 and (IT 2600 or CS 2600) w/C- or higher in last 5 years, UAS	3	Fa/ Sp/ Su
IT 3600	Internetworking and Router Management	(INFO 1200 or CS 1400)and (IT 2600 or CS 2600) w/C- or higher in last 5 years, UAS	3	Fa/ Sp/ Su
IT 4600	Enterprise Network Architectures and Administration	IT 3600, UAS	3	Fa/ Sp/ Su
Cybersecurity & Discipline Elective Requirements Credits			24	
BS in Cybersecurity Total Credits			120	

Graduation Requirements	
1.	Completion of at least 122 semester credits required in the BS degree; at least 40 credit hours must be upper-division courses.
2.	Overall grade point average 2.0 or above with a minimum of 2.5 GPA in all discipline core, specialty core, and elective courses with no grade lower than a "C-."
3.	Residency hours: Minimum of 30 credit hours through course attendance at UVU, with at least 10 hours earned in the last 45 hours.
4.	Completion of GE and specified departmental requirements. Students are responsible for completing all prerequisite courses.
5.	Completion of GE global intercultural requirement: INFO 405G satisfies this requirement.
6.	Successful completion of at least two Writing enriched (WE) courses.