

Bachelor of Science (BS) Cyber Security

	! H	Course #	Course Title	iviin. Grad	GEC	Prerequisite	Additional Notes
	3	ENGL 1301	Rhetoric and Composition I	С		For all 010 courses: Satisfactory scores on ENGL portion of ACT test or TSI reading/writing exams or ENGL 0301. For ENGL 1302, a grade of "C" or better in ENGL 1301.	
	4	MATH 2412	Precalculus	С		MATH 1314 or MATH 1414 with a grade of 'C' or better; or passing the College Algebra Exemption Test administered by the Department of Mathematics.	
	1	CSCI 1101	Introduction to Computer Science				Must take with CSCI 1370 and CSCI 1170
FALL	3	CSCI 1370	Computer Science I for Majors	С		Grade of 'C' or better in any of the following: MATH 1314, MATH 1414 or placement in a higher level Math course (MATH 2412, MATH 2413) and credit for or concurrent enrollment in CSCI 1101 or CMPE 1101. Co-requisite: CSCI 1170.	Must take with CSCI 1101
A R	1	CSCI 1170	Computer Science I Laboratory for Majors	С		Co-requisites: CSCI 1370.	Must take with CSCI 1101
r YE,	3	CRIJ 1301	Introduction to Criminal Justice				
FIRS		UNIV	1301 Learning Framework 1101 Academic and Career Success 1001 Living and Working by Design				As required, based on credit hours earned, TSI status, High School rank, major declaration.
	15	Semester To	tal Hours				
	3	ENGL 1302	Rhetoric and Composition II	С	010	For all 010 courses: Satisfactory scores on ENGL portion of ACT test or TSI reading/writing exams or ENGL 0301. For ENGL 1302, a grade of "C" or better in ENGL 1301.	
	3	CSCI 2322	Foundations of Systems	С		C or better in: [CSCI 1170, CSCI 1370 and MATH 2412].	
Ö	3	Choose 1	American History (Core)		060		HIST 1301 OR HIST/MASC 2327
SPRING	3	CSCI 2380	Computer Science II	С		Grade of C or better in: [CSCI 1370 or CMPE 1370] and [CSCI 1170 or CMPE 1170].	
	4	Choose 1	Life and Physical Sciences		030		PHYS 1401 recommended(prerequisite MATH 1314). See degree plan for course options. Any science course under 030 category (any lab credit hours taken are applied towards 090 category)
		Semester To		Min			2.1.
	! H		Course Title	Grade	GEC	Prerequisite	Additional Notes
	3	COMM 1315	Public Speaking		090		
	4	Choose 1	Life and Physical Sciences		030		PHYS 1402 recommended(prerequisite PHYS 1401). See degree plan for course options. Any science course under 030 category (any lab credit hours taken are applied towards 090 category)
FALL	3	CSCI 2344	Programming in Unix/ Linux Environment	С		Grade of C or better in: [CSCI 1370 or CSCI 1378 or CMPE 1370 or CMPE 1378] and [CSCI 1170 or CSCI 1178 or CMPE 1170 or CMPE 1178].	
D YEAR	3	BLAW 3337	Business Law I			Junior Standing.	Contact business.advising@utrgv.edu for permission to enroll in the course.
ECON	3		Social and Behavioral Sciences(except PHIL)		080		See General Education Core for course options. May choose any listed course under this category except PHIL.
S		Semester To					
	3	CSCI 3345	Operating Systems & Security			C or better in: [CSCI 2344, CSCI 2380, and CSCI 2322 or CSCI 3310].	
<u>5</u>	3	STAT 2334	Applied Statistics for Health			MATH 1314, MATH 1414, MATH 1324, or MATH 1342 with a grade of 'C' or better.	
SPRING	3	CRIJ 3316	Criminal Evidence & Proof				
S	3	COMM 3313	Business and Technical Communication				
		CSCI 3340	Software Engineering I			Grade of C or better in: [3 advanced hours in CSCI or CMPE] and [CSCI 2380 or CMPE 2380].	Contact faculty advisor.
	15	Semester Tot	al Hours				

	3	CSCI 3343	Intrusion Det, Incident Res & Info Assurance		C or better in: [CSCI 2344, CSCI 2380, and CSCI 2322 or CSCI 3310].	
	3	CSCI 3346	Distributed & Cloud Computing Security		C or better in: [CSCI 2344, CSCI 2380, and CSCI 2322 or CSCI 3310].	
	3	CSCI 4345	Computer Networks	С	Grade of C or better in: [CSCI 2380 or CMPE 2380] and [CSCI 2333 or CMPE 2333 or ELEE 3435 or CMPE 3437].	Consent of instructor for Cybersecurity majors - instead of CSCI 2333
FALL	2	X2XX	Free Elective - Any Level			Recommended to combine free electives to take a course
THIRD YEAR	1	Choose 1	Integrative and Experiential Learning	0	90	under category 090 except PHIL 2326. See General Education Core for course options.
	3	PHIL 2326	Ethics, Technology & Society	C	40	
	3		U.S. Federal Govt & Politics	C	70	
	18	Semester To	tal Hours			
	3	CSCI 4347	Wireless and Mobile Security		C or better in: [CSCI 2344, CSCI 2380, and CSCI 2322 or CSCI 3310] and CSCI 4345.	
	3	CSCI or INFS	Prescribed Elective		Check ASSIST for prerequisites.	Recommended CSCI 4333, or, another technical elective (consent of instructor for Cybersecurity majors- instead of CSCI 3333). See degree plan for course options.
SPRING	3	CSCI 4318	Cyber Security		Grade of C or better in: CSCI 2380 or CMPE 2380.	
	3	POLS 2306	Texas Government & Politics	C	70	
	3	CSCI 4365	Computer and Network Security		Grade of C or better in: CSCI 4345 or CMPE 4345.	
	15 Semester Total Hours					
	! H	Course #	Course Title	Min. Grade	Prerequisite	Additional Notes
	3	Choose 1	American History	C	60	HIST 1302 OR HIST/MASC 2328
			American History Prescribed Elective	С	Check ASSIST for prerequisites.	HIST 1302 OR HIST/MASC 2328 Recommended CSCI 3342, or, another technical elective (consent of instructor for Cybersecurity majors- instead of CSCI 3326/3328/3329). See degree plan for course options.
AR		CSCI or INFS		C		Recommended CSCI 3342, or, another technical elective (consent of instructor for Cybersecurity majors- instead of CSCI
1 YEAR		CSCI or INFS	Prescribed Elective		Check ASSIST for prerequisites. All students pursuing a Bachelor of Business Administration, Bachelor of Arts in Economics, or Bachelor of Science in Materials Management and Logistics from VCoBE, must apply for and be admitted to VCoBE before they are allowed to enroll in the Advanced Business Core and Major	Recommended CSCI 3342, or, another technical elective (consent of instructor for Cybersecurity majors- instead of CSCI 3326/3328/3329). See degree plan for course options. Contact business.advising@utrgv.edu for permission to enroll in
RTHYEAR	3	CSCI or INFS	Prescribed Elective Business Information Infrastructure Creative Arts (Core)		Check ASSIST for prerequisites. All students pursuing a Bachelor of Business Administration, Bachelor of Arts in Economics, or Bachelor of Science in Materials Management and Logistics from VCoBE, must apply for and be admitted to VCoBE before they are allowed to enroll in the Advanced Business Core and Major coursework for their degree.	Recommended CSCI 3342, or, another technical elective (consent of instructor for Cybersecurity majors- instead of CSCI 3326/3328/3329). See degree plan for course options. Contact business.advising@utrgv.edu for permission to enroll in the course.
FOURTH YEAR	3	CSCI or INFS INFS 3308 Choose 1 Semester To	Prescribed Elective Business Information Infrastructure Creative Arts (Core)		Check ASSIST for prerequisites. All students pursuing a Bachelor of Business Administration, Bachelor of Arts in Economics, or Bachelor of Science in Materials Management and Logistics from VCoBE, must apply for and be admitted to VCoBE before they are allowed to enroll in the Advanced Business Core and Major coursework for their degree.	Recommended CSCI 3342, or, another technical elective (consent of instructor for Cybersecurity majors- instead of CSCI 3326/3328/3329). See degree plan for course options. Contact business.advising@utrgv.edu for permission to enroll in the course.
FOURTH YEAR	3 3 12	CSCI or INFS INFS 3308 Choose 1 Semester To CSCI 4319	Business Information Infrastructure Creative Arts (Core)		Check ASSIST for prerequisites. All students pursuing a Bachelor of Business Administration, Bachelor of Arts in Economics, or Bachelor of Science in Materials Management and Logistics from VCoBE, must apply for and be admitted to VCoBE before they are allowed to enroll in the Advanced Business Core and Major coursework for their degree.	Recommended CSCI 3342, or, another technical elective (consent of instructor for Cybersecurity majors- instead of CSCI 3326/3328/3329). See degree plan for course options. Contact business.advising@utrgv.edu for permission to enroll in the course.
FOURTH YEAR	3 3 12	CSCI or INFS INFS 3308 Choose 1 Semester To CSCI 4319 X3XX	Business Information Infrastructure Creative Arts (Core) tal Hours Digital Forensics		Check ASSIST for prerequisites. All students pursuing a Bachelor of Business Administration, Bachelor of Arts in Economics, or Bachelor of Science in Materials Management and Logistics from VCoBE, must apply for and be admitted to VCoBE before they are allowed to enroll in the Advanced Business Core and Major coursework for their degree.	Recommended CSCI 3342, or, another technical elective (consent of instructor for Cybersecurity majors- instead of CSCI 3326/3328/3329). See degree plan for course options. Contact business.advising@utrgv.edu for permission to enroll in the course. See General Education Core for course options. Recommended to take INFS elective. See degree plan for
FOURTH YEAR SPRING	3 3 12 3 3	CSCI or INFS INFS 3308 Choose 1 Semester To CSCI 4319 X3XX X2XX	Business Information Infrastructure Creative Arts (Core) tal Hours Digital Forensics Free Elective - Any Level		Check ASSIST for prerequisites. All students pursuing a Bachelor of Business Administration, Bachelor of Arts in Economics, or Bachelor of Science in Materials Management and Logistics from VCoBE, must apply for and be admitted to VCoBE before they are allowed to enroll in the Advanced Business Core and Major coursework for their degree.	Recommended CSCI 3342, or, another technical elective (consent of instructor for Cybersecurity majors- instead of CSCI 3326/3328/3329). See degree plan for course options. Contact business.advising@utrgv.edu for permission to enroll in the course. See General Education Core for course options. Recommended to take INFS elective. See degree plan for options. Recommended to take INFS elective. See degree plan for
FOURTH YEAR	3 3 12 3 3	CSCI or INFS INFS 3308 Choose 1 Semester To CSCI 4319 X3XX X2XX	Business Information Infrastructure Creative Arts (Core) tal Hours Digital Forensics Free Elective - Any Level Free Elective - Any Level		Check ASSIST for prerequisites. All students pursuing a Bachelor of Business Administration, Bachelor of Arts in Economics, or Bachelor of Science in Materials Management and Logistics from VCoBE, must apply for and be admitted to VCoBE before they are allowed to enroll in the Advanced Business Core and Major coursework for their degree. 50 Grade of C or better in: CSCI 2380 or CMPE 2380.	Recommended CSCI 3342, or, another technical elective (consent of instructor for Cybersecurity majors- instead of CSCI 3326/3328/3329). See degree plan for course options. Contact business.advising@utrgv.edu for permission to enroll in the course. See General Education Core for course options. Recommended to take INFS elective. See degree plan for options. Recommended to take INFS elective. See degree plan for
FOURTH YEAR	3 3 12 3 3 3 2 1 1 1	CSCI or INFS INFS 3308 Choose 1 Semester To CSCI 4319 X3XX X2XX CSCI 3101 CSCI 3101	Business Information Infrastructure Creative Arts (Core) tal Hours Digital Forensics Free Elective - Any Level Free Elective - Any Level Cyber Security Certification Cyber Security Certification Prescribed Elective		Check ASSIST for prerequisites. All students pursuing a Bachelor of Business Administration, Bachelor of Arts in Economics, or Bachelor of Science in Materials Management and Logistics from VCoBE, must apply for and be admitted to VCoBE before they are allowed to enroll in the Advanced Business Core and Major coursework for their degree. Grade of C or better in: CSCI 2380 or CMPE 2380. Junior/Senior standing	Recommended CSCI 3342, or, another technical elective (consent of instructor for Cybersecurity majors- instead of CSCI 3326/3328/3329). See degree plan for course options. Contact business.advising@utrgv.edu for permission to enroll in the course. See General Education Core for course options. Recommended to take INFS elective. See degree plan for options. Recommended to take INFS elective. See degree plan for

CORE: The 2020-2021 list of core courses can be found in the 2020-2021 Undergraduate Catalog: www.utrgv.edu/catalog > See 'Core Curriculum'

Symbols Key

Critical ('!'): sequence sensitive course.

Course Title

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.

General Education Core (GEC) Sections: 010 - Communication; 020 - Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 - Creative Arts; 060 - American History; 070 - Government/Political Science; 080 - Social and Behavioral Sciences; 090 - Applied Communication and Literacies; 090 - Humanities; 090 - Leadership; 090 - Science Labs; 090 - Interdisciplinary; 090 - Technologies; 090 - Language Diversity & Writing.

(42 advanced minimum credit hours)

Page 2 of 2

Approved: Thursday, December 3, 2020 Revised: Monday, February 8, 2021

Additional Notes