

Department of Informatics and Engineering Systems
The University of Texas Rio Grande Valley
Bachelor of Science in Cyber Security - 2025 Catalog

Instructions: The student completes the checklist with Sem & Yr (Fall 2025, Spr 2026, Sum1 2026, or Sum2 2026) of each course taken or planned to be taken in, and grade earned in each course (A, B, C, "IP" for "In Progress"). The checklist may be used for advising or making a roadmap.

Name: _____ Student ID: _____
Last First Middle
 Email #1: _____ Phone: _____
UTRGV Email
 Email #2: _____
Non-UTRGV Email

1. Cyber Security Core (42 SCH) Plus Advanced Technical Electives (9 SCH):

Core (42 SCH)	Sem Yr	Hrs	Gr	Advanced Tech Electives ¹ (9 SCH)	Sem Yr	Hrs	Gr
CYBI 1101 Intro to Cyberspace*		1		CYBI 4316 Cross Platform Cyber Prg		3	
CYBI 2322 Fnd of Systems I*		3		CYBI 4320 Hetero DS & Ret Sys			
CYBI 2324 Fnd of Systems II*		3		CYBI 4322 Data Sci Cyber - Python			
CYBI 2326 Prog Cyber Sys & RE*		3		CYBI 4324 Reverse Engineering			
CYBI 3101 Certification		1		CYBI 4326 Secure SW Development		3	
CYBI 3101 Certification		1		CYBI 4328 HW Oriented Cyber Sec			
CYBI 3331 SWE Project Mgmt		3		CYBI 4330 Malware Hacking		3	
CYBI 3335 Data Comm & Net		3		CYBI 4332 Blockchain			
CYBI 3343 ID, IR, & IA		3		CYBI 4334 IoT Principles & Hacking			
CYBI 3345 OS & Security		3		CYBI 4336 Cyber Engg w/ AI/ML			
CYBI 3346 Dist Cloud Security		3		CYBI 3300 Internship			
CYBI 3318 Cyber Security		3		CYBI 4301 Certification ²			
CYBI 4319 Digital Forensics		3		CYBI 4300 Special Topics			
CYBI 4340 Capstone Project		3					
CYBI 4347 Wireless Mobile Sec		3					
CYBI 4365 Computer Network Sec		3					

Subtotal: 51

2. Supporting Courses (27 SCH):

	Sem Yr	Hrs	Gr		Sem Yr	Hrs	Gr
CRIJ 1301 Intro to Criminal Justice		3		STAT 2334 Applied Statistics Health		3	
CRIJ 3316 Criminal Evid & Proof		3		MATH 2412 Precalc* (+3 in GenEd)		1	
BLAW 3337 Business Law I		3		Free Elective		3	
INFS 3308 Business Info Infra		3		Free Elective		3	
COMM 3313 Business & Tech Comm		3		Free Elective		2	

Subtotal: 27

3. General Education (42 SCH):

	Sem Yr	Hrs	Gr		Sem Yr	Hrs	Gr
ENGL 1301 Rhetoric & Composition I*		3		MATH 2412 Precalc* (+1 in Supp Crse)		3	
ENGL 1302 Rhetoric & Composition II*		3		Any Allowed Creative Arts		3	
HIST 1301 U.S. History I		3		Any Allowed Social/Beh Sci (except Phil)		3	
HIST 1302 U.S. History II		3		CSCI 1380 Computer Sci I - Python*		3	
POLS 2305 U.S. Fed Govt & Politics		3		COMM 1315 Public Speaking		3	
POLS 2306 Texas Fed Govt & Politics		3		Any Allowed Life & Physical Sciences**		3	
PHIL 2326 Ethics, Tech & Society		3		Any Allowed Life & Physical Sciences**		3	

Subtotal: 42

Total Required (with 53 Advanced SCH): 120

*Grade of "C" or better is required in the course for progression and graduation

**Labs are not required

¹ Check with the department for a complete list of electives

² One can take multiple certifications as Advanced Tech Electives. Check with the department for a mapping of a set of certifications