UPRM ECE — University of Puerto Rico - Mayagüez
Electrical & Computer Engineering Department

Codigo del Curso	Titulo	2022-2023 Primer Semestre	2022-2023 Segundo Semestre	2022-2023 Verano Extendido	2023-2024 Primer Semestre	2023-2024 Segundo Semestre	2023-2024 Verano Extendido	2024-2025 Primer Semestre	2024-2025 Segundo Semestre	2024-2025 Verano Extendido	2025-2026 Primer Semestre	2025-2026 Segundo Semestre	2025-2026 Verano Extendido	2026-2027 Primer Semestre	2026-2027 Segundo Semestre	2026-2027 Verano Extendido
Cursos Medulares																
ICOM 4075	Fundam. De Computacion	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
INEL 3105	Anal Sist Eléctricos I	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
INEL 4102	Anal. Sist. Elec. II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
INEL 4205	Circuitos de Lógica	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
INEL 4201	Electrónica I	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
ICOM 4015	Prog. Avanzada	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
ICOM 4035	Estructura de Datos	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
INEL 4206	Microprocesadores	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
INEL 4207	Electronica Digital	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
ICOM 4215	Arq. Y Org. Comp	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
INEL 4301	Teoria de Comunicaciones	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
ICOM 5007	Prog. Sist. Operativos	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
ICOM 5047	Proy. de Dis. en Ing. Comp.	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
Laboratorios																
INEL 4115	Lab. Medidas Elect.	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
INEL 4211	Lab. Electrónica I	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
INEL 4225	Lab Electr. Digital	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
Otros																
ICOM4995	Practica Ingenieria Computadoras	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
ICOM4998	Investigación Subgraduada en Ing. Computadoras	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
ICOM5995	Temas Especiales	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
COMPUTING SYSTEMS																
ICOM 4009	Software Engineering	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
ICOM 4029	Compiler Construction							✓								
ICOM 4036	Structure and Properties of Programming Languages	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
ICOM 4038	Algorithm Design and Analysis		✓			✓			✓			✓			✓	
ICOM 4066	Software Project Management													✓	✓	
ICOM 5016	Database Systems	✓	✓		✓	✓		✓	✓		✓	✓		✓		
ICOM 5025	Object Oriented Software Development				✓							✓				
CYBERPHYSICAL SYSTEMS & INTERNET OF THINGS																
ICOM 4308	Networking and Routing Fundamentals	✓			✓			✓			✓				✓	

Code	Course															
INEL 4505	Introduction to Control Systems	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
ICOM 5015	Artificial Intelligence		✓			✓			✓			✓			✓	
ICOM 5016	Database Systems	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
ICOM 5018	Criptography and Network Security	✓			✓			✓			✓			✓		
INEL 5046	Machine Learning and Pattern Recognition	✓			✓			✓			✓			✓		
INEL 5516	Process Instrumentation and Control Engineering	✓			✓			✓			✓			✓		
	CYBERSECURITY AND NETWORKING															
INEL 4307	Comunication between Computers		✓			✓			✓			✓			✓	
ICOM 4308	Networking and Routing Fundamentals	✓			✓			✓			✓			✓		
ICOM 5017	Operating System and Network Administration and Security		✓													
ICOM 5018	Criptography and Network Security	✓			✓			✓			✓			✓		
ICOM 5026	Computer Networks		✓			✓			✓			✓			✓	
ICOM 5318	Routing, Switching and Wide Area Networks		✓			✓			✓			✓			✓	
INEL 5616	Wireless Communications	✓			✓			✓			✓			✓		
ININ 5006	Systems Engineering and Analysis				✓						✓					
	EMBEDDED SYSTEMS															
ICOM 4217	Embedded Systems Design	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
INEL 4202	Electronics II	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
INEL4505	Introduction to Control Systems	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
ICOM 5015	Artificial Intelligence		✓			✓			✓			✓			✓	
ICOM 5995	Real Time Operating Systems (en espera de código permanente)	✓			✓			✓			✓			✓		
INEL 5206	Digital Systems Design	✓			✓			✓			✓			✓		
INEL 5265	Analog Integrated Circuit Design	✓			✓			✓			✓			✓		
	MULTIMEDIA AND DIGITAL SIGNAL PROCESSING															
ICOM 5015	Artificial Intelligence		✓			✓			✓			✓			✓	
INEL 5046	Machine Learning and Pattern Recognition	✓			✓			✓			✓			✓		
INEL 5206	Digital Systems Design	✓			✓			✓			✓			✓		
INEl 5309	Digital Signal Processing	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
INEL 5315	Theory of Communications II	✓	✓		✓	✓		✓	✓		✓	✓		✓	✓	
INEL 5327	Image Processing		✓			✓			✓			✓			✓	
ICOM 5035	Computer Graphics					✓									✓	