

# PROGRAM STRUCTURE DIAGRAM

## Bachelor of Engineering in Electronics and Communication Engineering

Year 1		Year 2		Year 3		Year 4		Year 5
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL
ENGR 111 Computer Applications	CHE M101 Chemistry	ECEN221 Circuits Theory I Pre-R: MATH102	ECEN344 Renewable Energy Pre-R: ECEN221	ECEN311 Optical Communications Pre-R: ECEN342	MATH305 Numerical Methods Pre-R: MATH102	ECEN312 Microcontrollers Pre-R: ECEN112/ECEN211	ECEN591 Capstone Design Project I	ECEN592 Capstone Design Project II Pre-R: ECEN591
ISLM101 Islamic Civilization	ENGL102 English Communication Skills II Pre-R: ENGL101	ECEN341 Signals and Systems Pre-R: MATH102	ECEN223 Communication Lab I Pre-R: ECEN342	ECEN322 Circuit Theory II Pre-R: ECEN221	ECEN351 Electromagnetic Theory I Pre-R: MATH102	MATH406 Calculus III Pre-R: MATH102	ECEN541 Digital Signal Processing Pre-R: ECEN341	ECEN543 Wireless Communications Pre-R: ECEN441
ENGL101 English Communication Skills I	MATH102 Calculus 2 Pre-R: MATH101	ENGR201 Engineering Drawing Pre-R: MATH101	ECEN331 Electronics I Pre-R: ECEN221	ECEN332 Electronics II Pre-R: ECEN331	MATH204 Probability and Statistics Pre-R: MATH102	ECEN533 Power Electronics Pre-R: ECEN322	ECEN431 Communication Electronics	ECEN532 Digital Electronics Pre-RL ECEN332
MATH101 Calculus 1	PHYS102 Physics 2 Pre-R: PHYS101	ENGR202 Technical Writing and Presentation Pre-R: ENGL102	ECEN222 Instrumentation and Measurement Techniques Pre-R: ECEN221	ECEN481 Electronics Lab II Co-R: ECEN332	ECEN441 Digital Communication Systems Pre-R: ECEN342	ENGR404 Engineering Economics	Electronics and Communication Engineering Elective	Electronics and Communication Engineering Elective
PHYS101 Physics I	ECEN211 Digital Systems Pre-R: MATH101	MATH215 Linear Algebra Pre-R: MATH102	ECEN342 Analog Communication Systems Pre-R: ECEN341	ECEN381 Circuits Lab Co-R: ECEN322	MATH203 Differential Equations Pre-R: MATH102	ECEN452 Electromagnetic Theory II Pre-R: ECEN351	ECEN432 Communication Electronics Lab Co-R: ECEN431	Electronics and Communication Engineering Elective
	ECEN281 Digital Systems Lab Pre-R: ECEN211		ECEN382 Electronics Lab I Pre-R: ECEN331	ECEN316 Integrating Group Project	ECEN323 Communication Lab II Pre-R: ECEN223 Co-R: ECEN441		ENGR322 Summer Internship	ECEN534 Digital Electronics Lab Pre-R: ECEN481 Co-R: ECEN532
				MNGT 313 Entrepreneurship				