

Doctor of Philosophy (PhD) in Telecommunication Engineering

YEAR ONE

Course Code	PhD: First Semester Courses Year 1	Credit
ENG 901	Adaptive and Array Signal Processing	5
ENG 902	Broadband Communication Networks	5
ENG 903	Engineering Management	5
ENG 904	System-on-Chip Technologies	5
ENG 905	Differential Navigation	5
ENG 906	Coding Theory	5
TOTAL CREDITS		30
Course Code	PhD: Second Semester Courses Year 1	Credit
ENG 911	Wireless Communications Systems	5
ENG 912	Optical Communication Systems	5
ENG 913	Pattern Recognition	5
ENG 914	Circuit Theory and Communication	5
ENG 915	Descriptive Statistics & Probability	5
ENG 916	Year One: PhD Research Thesis	5
TOTAL CREDITS		30

YEAR TWO

Course Code	PhD: First Semester Courses Year 2	Credit
ENG 921	Computer Fundamentals & Applications	5
ENG 922	Linear Algebra and Geometry	5
ENG 923	Physics of Materials	5
ENG 924	Industrial Electronics	5
ENG 925	Electronics & Communication Technology	5
ENG 926	Probability and Statistics	5
TOTAL CREDITS		30
Course Code	PhD: Second Semester Courses Year 2	Credit
ENG 1001	Mechanics Fluids	5
ENG 1002	Electromagnetism	5
ENG 1003	Numerical and Computational Methods	5
ENG 1004	Mathematics Methods	5
ENG 1005	Solid State Physics	5
ENG 1006	Year Two: PhD Research Thesis	5
TOTAL CREDITS		30



IICSE University
...a liberal arts education

YEAR THREE

Course Code	PhD: First Semester Courses Year 3	Credit
ENG 1011	Special Relativity	5
ENG 1012	Nuclear and Particle Physics	5
ENG 1013	Statistics Physics	5
ENG 1014	Materials - Introduction and Basics	5
ENG 1015	Materials- Metal and Semiconductors	5
ENG 1016	Microprocessors and Microcontrollers	5
TOTAL CREDITS		30
Course Code	PhD: Second Semester Courses Year 3	Credit
ENG 1021	Structured Programming	5
ENG 1022	Programming with Objects	5
ENG 1023	Data Communication & Networking	5
ENG 1024	Quantum Physics	5
ENG 1025	Year Three: PhD Research Thesis	10
TOTAL CREDITS		30

Application processing, admissions and registrations for the new Academic Session are currently in progress. Apply for study now, visit: www.iicseuniversity.org