

Doctor of Philosophy (PhD) in Systems Engineering and Management

YEAR ONE

Course Code	PhD: First Semester Courses Year 1	Credit
SYSM 901	Business Process Re-Engineering	2
SYSM 902	Data Communication and Networking	3
SYSM 903	Managerial Economics for Engineers	3
SYSM 904	Design and Analysis Alogarithms	2
SYSM 905	Organizational Change and Intervention Strategies	2
SYSM 906	Industrial Marketing	3
TOTAL CREDITS		15
Course Code	PhD: Second Semester Courses Year 1	Credit
SYSM 911	Financial Marketing	2
SYSM 912	Financial Management for Engineers	3
SYSM 913	Lean Operation	3
SYSM 914	Total Quality Management	2
SYSM 915	Computer Systems Architecture	2
SYSM 916	Year One: Independent Research I	3
TOTAL CREDITS		15

YEAR TWO

Course Code	PhD: First Semester Courses Year 2	Credit
SYSM 921	Cloud Computing	2
SYSM 922	Engineering Mathematics	3
SYSM 923	Java Technologies	3
SYSM 924	Analysis and Design of Algorithms	2
SYSM 925	Database Management System	2
SYSM 926	Object Oriented Programming	3
TOTAL CREDITS		15
Course Code	PhD: Second Semester Courses Year 2	Credit
SYSM 1001	Cyber Law	2
SYSM 1002	Microprocessors	3
SYSM 1003	Operating System	3
SYSM 1004	Software Engineering	2
SYSM 1005	Computer Networks	2
SYSM 1006	Year Two: Independent Research II	3
TOTAL CREDITS		15



IICSE University
...a liberal arts education

YEAR THREE

Course Code	PhD: First Semester Courses Year 3	Credit
SYSM 1011	Programming Languages	2
SYSM 1012	Discrete Structures	3
SYSM 1013	Computational Logic	3
SYSM 1014	Embedded Systems	2
SYSM 1015	Distributed Computing	2
SYSM 1016	Computer Graphics	3
TOTAL CREDITS		15
Course Code	PhD: Second Semester Courses Year 3	Credit
SYSM 1021	Artificial Intelligence	2
SYSM 1022	Modeling and Simulation	3
SYSM 1023	Compiler Design	3
SYSM 1024	Multimedia System Design	2
SYSM 1025	Year Three: PhD Research Thesis	5
TOTAL CREDITS		15

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