

Doctor of Philosophy (PhD) in Computer Engineering

YEAR ONE

Course Code	PhD: First Semester Courses Year 1	Credit
CENG 901	Linear Algebra and Geometry	5
CENG 902	Web Technology	5
CENG 903	Cloud Computing	5
CENG 904	Engineering Mathematics	5
CENG 905	Java Technologies	5
CENG 906	Database Management System	5
TOTAL CREDITS		30
Course Code	PhD: Second Semester Courses Year 1	Credit
CENG 911	Objects Oriented programming	5
CENG 912	Cyber Law	5
CENG 913	Microprocessors	5
CENG 914	Operating System	5
CENG 915	Embedded Systems	5
CENG 916	Year One: PhD Research Thesis	5
TOTAL CREDITS		30

YEAR TWO

Course Code	PhD: First Semester Courses Year 2	Credit
CENG 921	Distributed computing	5
CENG 922	Computer Graphics	5
CENG 923	Artificial Intelligence	5
CENG 924	Modeling and Simulation	5
CENG 925	Compiler Design	5
CENG 926	Multimedia System Design	5
TOTAL CREDITS		30
Course Code	PhD: Second Semester Courses Year 2	Credit
CENG 1001	Information Security	5
CENG 1002	Network Security	5
CENG 1003	Mobile Computing	5
CENG 1004	Networking Programming	5
CENG 1005	Visual Programming	5
CENG 1006	Year 2: PhD Research Thesis	5
TOTAL CREDITS		30



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YEAR THREE

Course Code	PhD: First Semester Courses Year 3	Credit
CENG 1011	Compiler Principles and Techniques	5
CENG 1012	Advanced Computer Networks	5
CENG 1013	Distributed Operating Systems	5
CENG 1014	Wireless Communication Systems	5
CENG 1015	Digital Communication Systems	5
CENG 1016	Engineering Decision Support	5
TOTAL CREDITS		30
Course Code	PhD: Second Semester Courses Year 3	Credit
CENG 1021	Simulation Fundamentals	5
CENG 1022	Development Methodology	5
CENG 1023	Dynamics of Complex Engineering Systems	5
CENG 1024	Survey of Artificial Intelligence	5
CENG 1025	Year 3: PhD Research Thesis	10
TOTAL CREDITS		30

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