Course Outline

Associate of Science
in Computer Engineering

The Program Structure:

Course Code	AS: First Semester Courses	Credit
CENG 101	Communication Skills	2
CENG 102	Computer Fundamentals and Applications	3
CENG 103	Electronics	3
CENG 104	Linear Algebra and Geometry	2
CENG 105	Calculus	5
CENG 106	Web Technology	5
	TOTAL CREDITS	20

Course Code	AS: Second Semester Courses	Credit
CENG 111	Data Structures	2
CENG 112	Computer System Architecture	3
CENG 113	Cloud Computing	3
CENG 114	Engineering Mathematics	2
CENG 115	Java Technologies	5
CENG 116	Analysis and Design of Algorithms	5
	TOTAL CREDITS	20

Course Code	AS: Third Semester Courses	Credit
CENG 201	Database Management System	2
CENG 202	Objects Oriented Programming	3
CENG 203	Cyber Law	3
CENG 204	Microprocessors	2
CENG 205	Operating System	5
CENG 206	Software Engineering	5
	TOTAL CREDITS	20

Course Code	AS: Fourth Semester Courses	Credit
CENG 211	Computer Networks	2
CENG 212	Programming Languages	3
CENG 213	Discrete Structures	3
CENG 214	Computational Logic	2
CENG 215	Embedded Systems	5
CENG 216	Distributed Computing	5
	TOTAL CREDITS	20

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