

## Bachelor of Science in Computer Engineering

### The Program Structure:

Course Code	BS: <b>First</b> Semester Courses	Credit
CENG 101	Communication Skills	5
CENG 102	Computer Fundamentals and Applications	5
CENG 103	Electronics	5
CENG 104	Linear Algebra and Geometry	5
CENG 105	Calculus	5
CENG 106	Web Technology	5
<b>TOTAL CREDITS</b>		<b>30</b>
Course Code	BS: <b>Second</b> Semester Courses	Credit
CENG 111	Data Structures	5
CENG 112	Computer System Architecture	5
CENG 113	Cloud Computing	5
CENG 114	Engineering Mathematics	5
CENG 115	Java Technologies	5
CENG 116	Analysis and Design of Algorithms	5
<b>TOTAL CREDITS</b>		<b>30</b>
Course Code	BS: <b>Third</b> Semester Courses	Credit
CENG 201	Database Management System	5
CENG 202	Objects Oriented Programming	5
CENG 203	Cyber Law	5
CENG 204	Microprocessors	5
CENG 205	Operating System	5
CENG 206	Software Engineering	5
<b>TOTAL CREDITS</b>		<b>30</b>
Course Code	BS: <b>Fourth</b> Semester Courses	Credit
CENG 211	Computer Networks	5
CENG 212	Programming Languages	5
CENG 213	Discrete Structures	5
CENG 214	Computational Logic	5
CENG 215	Embedded Systems	5
CENG 216	Distributed Computing	5
<b>TOTAL CREDITS</b>		<b>30</b>
Course Code	BS: <b>Fifth</b> Semester Courses	Credit
CENG 301	Computer Graphics	5
CENG 302	Artificial Interlligence	5
CENG 303	Modeling and Simulation	5
CENG 304	Compiler Design	5
CENG 305	Multimedia System Design	5
CENG 306	Information Security	5
<b>TOTAL CREDITS</b>		<b>30</b>
Course Code	BS: <b>Sixth</b> Semester Courses	Credit
CENG 311	Network Security	5
CENG 312	Mobile Computing	5
CENG 313	Network Programming	5
CENG 314	Visual Programming	5
CENG 315	Bachelor Thesis	10
<b>TOTAL CREDITS</b>		<b>30</b>

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