

Computer Science & Engg. (Degree Level)

AMIETE (CS) at par with BE/B Tech

Minimum qualification : 10 + 2 (Sci.) pass with English, Maths, Physics & Chemistry
OR Diploma Engg. Pass (Electronics / Computer / Electrical)
OR any other exam equivalent to it.

Semester I

Sr	Code	Subject
1	AC51	Engineering Mathematics – I
2	AC52	C & Data Structures
3	AC53	Electronic Devices & Circuits

Semester II

Sr	Code	Subject
1	AC54	Linear ICs & Digital Electronics
2	AC55	Object Oriented Programming with C++
3	AC99	Communication Skill & Technical Writing

Semester III

Sr	Code	Subject
1	AC56	Engineering Mathematics – II
2	AC57	Signals & Systems
3	AC58	Computer Organization
4	AC59	Operating Systems & Systems Software
5	AC91	Data Structures with C & C++ lab

Semester IV

Sr	Code	Subject
1	AC60	Computer Graphics
2	AC61	Database Management Systems

Semester V

Sr	Code	Subject
1	AC62	Operations Research & Engg. Management
2	AC63	Software Engineering
3	AC64	Design & Analysis of Algorithms
4	AC65	Discrete Structures
5	AC66	Microprocessors & Microcontrollers
6	AC92	DBMS Lab

Semester VI

Sr	Code	Subject
1	AC67	Data Communication & Comp. Networks
2	AC68	Finite Automata & Formula Languages
3		Elective - I
4		Elective - II
5	AC93	Analysis & Design of Algorithms Lab

Semester VII

Sr	Code	Subject
1	AC94	µP & µC Lab

Semester VIII

Sr	Code	Subject
1	AC69	Project Work
2	AC70	Seminar

ELIGIBILITY CONDITIONS FOR SEMESTERS, LABS AND PROJECT

For Semester II:-

Student must have appeared in all the subjects of semester – I.

Semester III:-

- 1) Student must have appeared in all the subjects of semesters I & II (combined) (Excluding AC99) and
- 2) For lab (AC91) student must have passed in atleast three subjects of semesters – I & II (Excluding AC99).

For Semester V:-

- 1) After successfully fulfilling the criteria for semester III, Student must have appeared in all the subjects of semester III & IV and
- 2) For lab (AC92) student must have passed in atleast three subjects of semester III & IV and cleared the lab of semester III (AC91).

For Semester VI:-

- 1) After successfully fulfilling the criteria for semester V, Student must have appeared in all the subjects of semester V and
- 2) For lab (AC93) student must have passed in atleast three subjects of semester V and cleared the lab of semester V (AC92). In addition the minimum overall aggregate of any three subjects each of semesters (I & II (combined) (Excluding AC99)), semesters (III & IV (combined) & semester V along with labs of semesters III (AC91) & semester V (AC92) must be minimum 5 GPA.

For semester VII:-

- 1) After successfully fulfilling the criteria for semester VI, Student must have appeared in all the subjects of semester VI and
- 2) For lab (AC94) student must have cleared atleast three subjects of semester VI and cleared the lab of semester VI (AC93).

For Project & Seminar:-

Student must have passed in atleast 16 theory papers (excluding AC99) and cleared all the labs (AC91, AC92, AC93 & AC94) with minimum 5 GPA.