

Electronics & Tele. Engg.

(Degree Level)

AMIETE (ET) 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	AE51	Engineering Mathematics – I
2	AE52	C & Data Structures
3	AE53	Electronic Devices & Circuits

Semester III

Sr	Code	Subject
1	AE56	Engineering Mathematics – II
2	AE57	Signals & Systems
3	AE58	Materials & Processes
4	AE59	Circuit Theory & Design Engineering Management
5	AE91	Analog Electronics Lab

Semester V

Sr	Code	Subject
1	AE62	Operations Research & Engineering Management
2	AE63	Electromagnetics & Radiation Systems
3	AE64	Telecommunication Switching Systems
4	AE65	Analog Communications
5	AE66	Microprocessors & Microcontrollers
6	AE92	Digital Electronics Lab

Semester VII

Sr	Code	Subject
1	AE94	Analog & Digital Communications Lab

Semester II

Sr	Code	Subject
1	AE54	Linear ICs & Digital Electronics
2	AE55	Principles of Electrical Engineering
3	AE99	Communication Skills & Technical Writing

Semester IV

Sr	Code	Subject
1	AE60	Instrumentation & Measurements
2	AE61	Control Engineering

Semester VI

Sr	Code	Subject
1	AE67	Digital Communications
2	AE68	Embedded Systems Design
3		Elective - I
4		Elective - II
5	AE93	µP & C Programming Lab

Semester VIII

Sr	Code	Subject
1	AE69	Project Work
2	AE70	Seminar

ELIGIBILITY CONDITIONS FOR SEMESTERS, LABS AND PROJECT

For Semester II:-

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

For Semester III:-

- 1) Student must have appeared in all the subjects of semesters I & II (combined) (Excluding AE 99) and
- 2) For lab (AE91) student must have passed in atleast three subjects of semesters – I & II (Excluding AE99).

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 (AE92) student must have passed in atleast three subjects of semester III & IV and cleared the lab of semester III (AE 91).

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 (AE93) student must have passed in atleast three subjects of semester V and cleared the lab of semester V (AE92). In addition the minimum overall aggregate of any three subjects each of semesters (I & II (combined) (Excluding AE99)), semesters III & IV (combined) & semester V along with labs of semesters III (AE91) & semester V (AE92) 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 (AE94) student must have cleared atleast three subjects of semester VI and cleared the lab of semester VI (Ae93).

For Project & Seminar:-

Student must have passed in atleast 16 theory papers (excluding AE99) and cleared all the labs (AE91, AE92, AE93 & AE94) with minimum 5 GPA.