



EGR 132: Electrical Circuits

Students study advanced AC and DC circuit analysis methods, network theorems, and the analysis and principles associated with capacitors and inductors. Phasors, filters, three-phase systems, transformers, motors, the power triangle, and power factor correction are also covered in this course. Prerequisite: EGR 131; pre or co-requisite: MTH 172. Three lecture and three laboratory hours per week. Instructional Support Fee applies.

Course Student Learning Outcomes

1. Describe DC/AC electric circuit operation.
2. Solve complex circuit analysis problems.
3. Troubleshoot Circuit.
4. Utilize computer simulation software.

Credits: 4

Program: Engineering