

Course No.	Course Title	Credits	Pre-requisite	Learning Type
0706454	Power Electronics	3	0706452,0706444	Face-to-face
<p>Electronics switching concept; power semiconductor devices; introduction to DC-DC converters (step up, step down, and step up/down topologies. Introduction to AC-DC rectifiers (half-wave, full-wave, single-phase, three-phase, uncontrolled and controlled topologies); introduction to DC-AC inverters (half-bridge, full-bridge, single-phase, three-phase, square-wave and PWM operations).</p>				