

ELE 640 - Advanced Digital Design w FPGA

4 Credit Hours

This course studies the intricacies of Field-Programmable Gate Arrays (FPGAs), where students master the art of designing complex digital systems that leverage reconfigurable logic. From understanding FPGA architecture to implementing advanced digital circuits, signal processing algorithms, and custom processors, students learn how FPGAs empower engineers to push the boundaries of hardware design and innovation.