INTELLIGENT SYSTEMS IN ENGINEERING APPLICATIONS

This certificate program introduces students to the core concepts of intelligent systems and a broad range of techniques for building, testing and evaluating intelligent systems. Topics include: intelligent system design, training and evaluation, decision trees, rule based systems, Bayesian learning, Support Vector Machines, neural network systems, and fuzzy systems. A variety of application cases will be studied in the courses under this program. (12 credits hours)

Certificate offered on Campus and via Distance Learning

Required Core Courses

Code	Title	Credit Hours
ECE 579	Intelligent Systems	3

Additional Coursework

Code	Title	Credit Hours
Complete 3 courses from the following (9 credits):		
ECE 537	Data Mining	3
ECE 552	Fuzzy Systems	3
ECE 576	Information Engineering	3
ECE 5831	Pat Rec & Neural Netwks	3