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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

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Code	Title	Credit Hours
ECE 579	Intelligent Systems	3
Additional Cou	ırsework	
Code	Title	Credit Hours
Complete 3 co	ourses 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