David University

Computer Engineering Department

Doctor Degree Admission Application

Course Details

The Computer Engineering (CpE) Ph.D. program prepares students for careers in research or academia with specializations including computer systems and reconfigurable devices, sensor networks, software engineering, intelligent systems and Machine Learning, and computer networks. UCF and its Research Park offer educational, research and career opportunities in a vast number of computer engineering careers, including simulation systems, communication networks, software engineering, avionics, telecommunications, and much more.

Entry Qualifications

1. Master Degree Completion
2. Proof of work experience, used for evaluation and approval by the school authorities for entry qualification.

School Hours That Meet Your Time Schedule

In accordance with regulations governing classroom attendance, classes can be planned and scheduled on weekends and National Holidays as not to interfere with student regular working hours.

Further Education application requirements and procedures:

1. Completion of application form
2. Presentation of documents of previous educational achievement (transcripts)
3. After completion of formal school registration, student identity card will be issued

Future Prospect:

Ph.D. Computer Engineering graduates must be able to think logically and creatively. Their strong aptitude for math and other technical topics is critical to the computing field. Because they often deal with a number of tasks simultaneously, the ability to concentrate and pay close attention to detail also is important. Although they can be found in almost all industries, most are employed in the computer systems design and related services industry. Many others are employed by software publishing firms, scientific research and development organizations, and in education. Graduates from the Ph.D. program in computer science and engineering are in high demand in almost all sectors of society

Curriculum

DOCTOR IN COMPUTER ENGINEERING

PART 1				
Semester	Code	Course	Type *	Credits
1	DCE06001	Computer Architecture	Basic	3
1	DCE06002	Algorithms in VLSI Design	Basic	3
1	DCE06003	Fault Tolerant Computing	Basic	3
1	DCE06004	Computer Performance Evaluation	Basic	3
1	DCE06005	Advanced Compiler Design	Basic	3
1	DCE06006	Principles Of Database Systems	Basic	3
1	DCE06007	Advanced Topics I	Basic	3
1	DCE06008	Advanced Topics II	Basic	3
		Total credits to be completed:		24
PART 2				
Semester	Code	Course	Type *	Credits
2	DCE06009	Operating System Design	Core	3
2	DCE06010	Performance Evaluation Of Computer Networks	Core	3
2	DCE06011	Computer Network Design	Core	3
2	DCE06012	Advanced Network Programming	Core	3
2	DCE06013	Operating System And Network Security	Core	3
2	DCE06014	Broadband Switching Systems	Core	3
2	DCE06015	Mathematical Fundamentals Of Artificial Intelligence	Core	3
2	DCE06016	Speech Processing	Core	3
2	DCE06017	Computer Graphics	Core	3
2	DCE06018	Computer Vision	Core	3
		Total credits to be completed:		30
PART 3				
Semester	Code	Course	Type *	Credits
3	DCE06019	Principles Of Artificial Intelligence	Core	3
3	DCE06020	Automated Theorem Proving	Core	3
3	DCE06021	Pattern Recognition	Core	3
3	DCE06022	Artificial Neural Networks	Core	3
3	DCE06023	Advanced Topics In Software Engineering	Core	3
3	DCE06024	Qualitative Reasoning	Core	3
3	DCE06025	Natural Language Processing	Core	3
3	DCE06026	Information System Design	Core	3
3	DCE06027	Autonomous Robots	Core	3
3	DCE06028	Dissertation (Thesis)	Basic	18
		Total credits to be completed:		45
TOTAL CREDITS TO BE COMPLETED				
Semester		Part	Type *	Credits
1		Part 1	Basic	24
2		Part 2	Core	30
3		Part 3	Core+Basic	45
		Total credits to be completed:		99

NOTE: (The above information is for reference only is a general description of the degree courses. These may change once the course is in session and reset.)