

Course Name	Course	S e c	F08	S09	F09	S10	F10	S11
Introduction to Computer Systems	15213							
Introduction to Electrical and Computer Engineering	18100							
Emerging Trends in ECE	18200							
Mathematical Foundations of Electrical Engineering	18202							
Fundamentals of ECE: Electronic Devices & Circuits	18220							
Fundamentals of ECE: Digital Logic & Computers	18240							
Fundamentals of ECE: Signals & Systems	18290							
Fundamentals of Electromagnetics	18300							
Fundamentals of Semiconductor Devices	18310							
Analysis and Design of Analog Circuits	18321							
Analysis and Design of Digital Circuits	18322							
Digital Computation	18340							
Logic Design Using Simulation, Synthesis, and Verification Techniques	18341							
Fundamentals of Embedded Systems	18342							
Fundamentals of Embedded Systems	18342	G						
Fundamentals of Embedded Systems	18342	P						
Introduction to Telecommunications Networks	18345							
Embedded Systems Engineering	18348							
Embedded Real-Time Systems	18349							
Embedded Real-Time Systems	18349P	P						
Signals and Systems	18396							
Electromechanics	18401							
Applied Electrodynamics	18402							

Physical Sensors, Transducers and Instrumentation	18410						
Computational Techniques in Engineering	18411						
Field Effect Devices and Technology	18412						
From Design to the Market for Deep Submicron ICs	18415						
Data Storage Systems	18416						
Introduction to Optical Communications Systems	18417						
Energy Systems	18418						
Electron Device Physics	18419						
Introduction to Computer Architecture	18447						
Digital Communications *New name	18450						
Fundamentals of Control	18470						
	18474						
Embedded Control Systems							
Telecommunications: Technology, Policy and Management	18482						
Introduction to Computer & Network Security & Applied Cryptography	18487						
Fundamentals of Signal Processing	18491						
Electroacoustics	18493						
Introduction to Biomedical Imaging and Image Analysis	18496						
	18513						
Antenna Design for Wireless Communications							
Data Storage Systems Design	18517						
	18525						
Integrated Circuit Design Project							
Digital Systems on a Chip Design	18527						
	18540						
Rapid Prototyping of Computer Systems							

Network Design and Evaluation	18544							
	18545							
Advanced Digital Design Project								
Embedded Systems Design	18549							
Digital Communications and Signal Processing Systems Design	18551							
	18578							
Mechatronic Design								
	18610							
Fundamentals of Modern CMOS Devices								
Microelectromechanical Systems	18614							
Micro/nanofabrication	18615							
Advanced Digital IC Design	18622							
	18623							
Advanced Analog IC Design								
Intorduction to Security and Policy	18630							
Special Topics in Security: Intrusion Tolerance	18639							
Special Topics in Security: Intrusion Tolerance	18639	P						
How to Write Fast Code	18645							
Distributed Embedded Systems	18649							
Policies of Wireless Systems and the Internet	18650							
Technology Entrepreneurship	18700							
Special Topics ub ECE: Obtaining Value from R&D	18703							
	18709							
Special Topics in ECE: Obtaining Value from R&D in an Industrial Setting								
Elements of Photonics for Communication Systems	18712							
Optical Networks	18713							
Applied Magnetism and Magnetic Materials	18715							
Advanced Applied Magnetism	18716							
Advanced Analog IC Design	18721							

Advanced Digital IC Design	18722							
RF IC Design and Implimentation	18723							
Microelectromechanical System Design	18724							
Special Topics in Circuits: Power Electronics	18729M	M						
Introduction to Computer Security	18730							
Introduction to Computer Security	18730	G						
Introduction to Computer Security	18730	P						
Network Security	18731							
Network Security	18731	P						
Secure Software Systems	18732							
Secure Software Systems	18732	P						
Applied Cryptography	18733							
Applied Cryptography	18733	G						
Applied Cryptography	18733	J						
Special Topics in Security: Foundations of Security and Privacy	18739							
Advanced Computer Architecture	18741							
Multiprocessor Architecture	18742							
Energy Aware Computing	18743							
Hardware Systems Engineering	18744							
Rapid Prototyping of Computer Systems	18745							
Advanced Storage Systems	18746							
Advanced Techniques in Microprocessors	18747							
Fault-Tolerant Distributed Systems	18749							
Fault-Tolerant Distributed Systems	18749	P						
Applied Stochastic Processes	18751							
Estimation, Detection and Identification	18752							
Information Theory	18753							
Packet Switching and Computer Networks	18756							

Packet Switching and Computer Networks	18756	G						
Packet Switching and Computer Networks	18756	P						
Principles of Broadband Networks	18757							
Wireless Networks	18759							
Wireless Networks	18759	P						
Wireless Networks	18759	G						
VLSI CAD: Logic to Layout	18760							
Circuit Simulation: Theory and Practice	18762							
In Between Design & Manufacturing of SM ICs	18764							
Digital System Testing and Testable Design	18765							
The Art and Science of System-Level Design	18766							
VLSI CAD: Software to Logic	18767							
Linear Systems	18771							
Linear Systems	18771	P						
Complex Large-Scale Dynamic Systems	18777							
Advanced Digital Signal Processing	18792							
Optical Imaging and Radar Processing	18793							
Pattern Recognition Theory	18794							
Advanced Bioimage Informatics	18795							
Multimedia Communications: Coding, Systems and Networking	18796P							
Image, Video, and Multimedia	18798							
Image, Video, and Multimedia	18798	P						
Special Topics in Signal Processing: Constraint Satisfaction and Optimization	18799	C						
Special topics in Signal Processing: Biometric Recognition	18799	E						
Special topics in Signal Processing: Algebraic Signal Processing Theory	18799	F						

Special Topics in Signal Processing: Wavelets and Multiresolution Techniques	18799	G						
Applied Physics: Fund. of Semiconductors and Nanostructures	18817							
Special Topics in Applied Physics: Nano...	18819	D						
Special topics in Applied Security	18835	P						
Distributed Systems	18842							
Distributed Systems	18842	P						
Mobile Computing Systems and Applications	18843							
Internet Services	18845							
Special Topics in Computer Systems: Modern Foundations of Computer Networking	18847	P						
Special Topics in Embedded Systems: Sensor Networks	18848	A						
Dependable Embedded Systems	18849							
Special Topics in Communications: Communications and Networking	18859	A						
Special Topics in Communications: Network Control and Management	18859	C						
Special Topics in Communications: Error Control Coding	18859	D						
Special Topics in Communications: Principles of Broadband Networks	18859	P						
Special Topics in CAD: Process Variation, Parametric Yield and Robust Design	18869	A						
Special Topics in CAD: Design for Manufacturability	18869	B						
Process Variation, Parametric Yield and Robust Design	18875							
Special Topics in Systems and Control: Multi-Agent Systems	18879	N						

Special Topics in Systems and Control: Nonlinear Dynamics, Chaos and Control	18879	Q						
Special Topics in Systems and Control: Networked Control	18879	R						
Special Topics in Systems and Control: Networked Control	18879	S						
Engineering Design	39405							