ECE Hybrid/Distance Education Courses

Instructor's last name	Instructor's first name	Course Number	Course Title	Delivery mode
BAIN	JAMES	18021	Introduction to Printed Circuit Boards Fabrication	In-pesrson and remote course instruction
BAIN	JAMES	18021	Introduction to Printed Circuit Boards Fabrication	In-person and remote course instruction
BAIN	JAMES	18050	Study Abroad	Remote only course instruction
STILES	JESSE	18090	Twisted Signals: Multimedia Processing for the Arts	Remote only course instruction
KESDEN	GREGORY	18100	Introduction to Electrical and Computer Engineering	Remote only course instruction
ZHU	JIAN-GANG	18100	Introduction to Electrical and Computer Engineering	Remote only course instruction
INSTRUCTOR TBA		18100	Introduction to Electrical and Computer Engineering	In-pesrson with student rotation and remote course instruction

INSTRUCTOR TBA		18100	Introduction to Electrical and Computer Engineering	In-pesrson with student rotation and remote course instruction
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INSTRUCTOR TBA		18100	Introduction to Electrical and Computer Engineering	In-pesrson with student rotation and remote course instruction
BAIN	JAMES	18200	ECE Sophomore Seminar	Remote only course instruction
FRANCHETTI	FRANZ	18202	Mathematical Foundations of Electrical Engineering	Remote only course instruction
JOE-WONG	CARLEE	18202	Mathematical Foundations of Electrical Engineering	Remote only course instruction
INSTRUCTOR TBA		18202	Mathematical Foundations of Electrical Engineering	In-pesrson with student rotation and remote course instruction

INSTRUCTOR TBA		18202	Mathematical Foundations of Electrical Engineering	In-pesrson with student rotation and remote course instruction
INSTRUCTOR TBA		18202	Mathematical Foundations of Electrical Engineering	In-pesrson with student rotation and remote course instruction
INSTRUCTOR TBA		18202	Mathematical Foundations of Electrical Engineering	In-pesrson with student rotation and remote course instruction
LUCIA	BRANDON	18213	Introduction to Computer Systems	Remote only course instruction
RAILING	BRIAN	18213	Introduction to Computer Systems	Remote only course instruction
INSTRUCTOR TBA		18213	Introduction to Computer Systems	In-pesrson with student rotation and remote course instruction
INSTRUCTOR TBA		18213	Introduction to Computer Systems	In-pesrson with student rotation and remote course instruction
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INSTRUCTOR TBA		18213	Introduction to Computer Systems	In-pesrson with student rotation and remote course instruction

KELLY	SHAWN	18220	Electronic Devices and Analog Circuits	Remote only course instruction
TOWE	ELIAS	18220	Electronic Devices and Analog Circuits	Remote only course instruction
ZHANG	XU	18220	Electronic Devices and Analog Circuits	Remote only course instruction
INSTRUCTOR TBA		18220	Electronic Devices and Analog Circuits	In-pesrson with student rotation and remote course instruction
INSTRUCTOR TBA		18220	Electronic Devices and Analog Circuits	In-pesrson with student rotation and remote course instruction
INSTRUCTOR TBA		18220	Electronic Devices and Analog Circuits	In-pesrson with student rotation and remote course instruction
GHOSE	SAUGATA	18240	Structure and Design of Digital Systems	Remote only course instruction
NACE	WILLIAM	18240	Structure and Design of Digital Systems	Remote only course instruction

INSTRUCTOR TBA		18240	Structure and Design of Digital Systems	In-pesrson with student rotation and remote course instruction
INSTRUCTOR TBA		18240	Structure and Design of Digital Systems	In-pesrson with student rotation and remote course instruction
INSTRUCTOR TBA		18240	Structure and Design of Digital Systems	In-pesrson with student rotation and remote course instruction
GROVER	PULKIT	18290	Signals and Systems	Remote only course instruction
SULLIVAN	THOMAS	18290	Signals and Systems	Remote only course instruction
INSTRUCTOR TBA		18290	Signals and Systems	In-pesrson with student rotation and remote course instruction
INSTRUCTOR TBA		18290	Signals and Systems	In-pesrson with student rotation and remote course instruction
INSTRUCTOR TBA		18290	Signals and Systems	In-pesrson with student rotation and remote course instruction

INSTRUCTOR TBA		18290	Signals and Systems	In-pesrson with student rotation and remote course instruction
CHAMANZAR	MAYSAM	18300	Fundamentals of Electromagnetics	Remote only course instruction
PARNO	BRYAN	18330	Introduction to Computer Security	Remote only course instruction
BLANTON	SHAWN	18340	Hardware Arithmetic for Machine Learning	Remote only course instruction
NACE	WILLIAM	18341	Logic Design and Verification	Remote only course instruction
KESDEN	GREGORY	18349	Introduction to Embedded Systems	Remote only course instruction
FEDDER	GARY	18370	Fundamentals of Control	Remote only course instruction
ILIC	JOVAN	18372	Fundamental Electrical Power Systems	In-pesrson with student rotation and remote course instruction

BAIN	JAMES	18390	ECE CO-OP	In-person and remote course instruction
DANDIN	MARC	18421	Analog Integrated Circuit Design	Remote only course instruction
MAI	KENNETH	18422	Digital Integrated Circuit Design	In-pesrson with student rotation and remote course instruction
INSTRUCTOR TBA		18422	Digital Integrated Circuit Design	In-pesrson with student rotation and remote course instruction
CHI	YUEJIE	18461	Introduction to Machine Learning for Engineers	Remote only course instruction
JOSHI	GAURI	18461	Introduction to Machine Learning for Engineers	Remote only course instruction
STROJWAS	ANDRZEJ	18464	ULSI Technology Status and Roadmap for System on Chips and System in Package	Remote only course instruction
ZHENG	SIYANG	18469	Special Topics in Integrated Systems Technology	Remote only course instruction

SULLIVAN	THOMAS	18490	Electroacoustics	In-person and remote course instruction
BLACK	ALAN	18495	Speech Processing	Remote only course instruction
NACE	WILLIAM	18500	ECE Design Experience	Remote only course instruction
SEKAR	VYAS	18500	ECE Design Experience	In-pesrson with student rotation and remote course instruction
YU	BYRON	18500	ECE Design Experience	In-pesrson with student rotation and remote course instruction
BAIN	JAMES	18580	Undergraduate Projects	In-person and remote course instruction
CARRYER	BARBARA	18601	Entrepreneurship and Innovation in Technology	Remote only course instruction
GIBBONS	PHILLIP	18613	Foundations of Computer Systems	Remote only course instruction

GIBBONS	PHILLIP	18613	Foundations of Computer Systems	Remote only course instruction
INSTRUCTOR TBA		18613	Foundations of Computer Systems	In-person and remote course instruction
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INSTRUCTOR TBA		18613	Foundations of Computer Systems	In-person and remote course instruction
INSTRUCTOR TBA		18613	Foundations of Computer Systems	In-pesrson with student rotation and remote course instruction
INSTRUCTOR TBA		18613	Foundations of Computer Systems	In-pesrson with student rotation and remote course instruction
ILIC	JOVAN	18618	Smart Grids and Future Electric Energy Systems	Remote only course instruction

INSTRUCTOR TBA		18618	Smart Grids and Future Electric Energy Systems	Remote only course instruction
MAI	KENNETH	18622	Digital Integrated Circuit Design	In-pesrson with student rotation and remote course instruction
INSTRUCTOR TBA		18622	Digital Integrated Circuit Design	In-pesrson with student rotation and remote course instruction
DANDIN	MARC	18623	Analog Integrated Circuit Design	Remote only course instruction
HIBSHI	HANAN	18631	Introduction to Information Security	In-pesrson with student rotation and remote course instruction
JIA	LIMIN	18631	Introduction to Information Security	In-pesrson with student rotation and remote course instruction
HIBSHI	HANAN	18631	Introduction to Information Security	In-pesrson with student rotation and remote course instruction
JIA	LIMIN	18631	Introduction to Information Security	In-pesrson with student rotation and remote course instruction

HIBSHI	HANAN	18631	Introduction to Information Security	In-pesrson with student rotation and remote course instruction
JIA	LIMIN	18631	Introduction to Information Security	In-pesrson with student rotation and remote course instruction
TAGUE	PATRICK	18638	Mobile and IoT Security	In-pesrson with student rotation and remote course instruction
TAGUE	PATRICK	18638	Mobile and IoT Security	In-pesrson with student rotation and remote course instruction
PEHA	JON	18639	Policies of the Internet	Remote only course instruction
BLANTON	SHAWN	18640	Hardware Arithmetic for Machine Learning	Remote only course instruction
BISHOP	MARY	18641	Design Patterns for Smartphone Development	In-person and remote course instruction
KOOPMAN	PHILIP	18642	Embedded System Software Engineering	Remote only course instruction

INSTRUCTOR TBA		18642	Embedded System Software Engineering	Remote only course instruction
INSTRUCTOR TBA		18642	Embedded System Software Engineering	Remote only course instruction
HOE	JAMES	18643	Reconfigurable Logic: Technology, Architecture and Applications	Remote only course instruction
INSTRUCTOR TBA		18643	Reconfigurable Logic: Technology, Architecture and Applications	Remote only course instruction
LOW	TZE MENG	18645	How to Write Fast Code I	Remote only course instruction
ROWE	ANTHONY	18648	Embedded Real-Time Systems	Remote only course instruction
ZHANG	PEI	18649	Mobile Hardware for Software Engineers	Remote only course instruction
PEHA	JON	18650	Policies of Wireless Systems	Remote only course instruction

INSTRUCTOR TBA		18652	Foundations of Software Engineering	Remote only course instruction
ERDOGMUS	HAKAN	18652	Foundations of Software Engineering	In-pesrson with student rotation and remote course instruction
PERAIRE	CECILE	18652	Foundations of Software Engineering	In-pesrson with student rotation and remote course instruction
ERDOGMUS	HAKAN	18652	Foundations of Software Engineering	In-pesrson with student rotation and remote course instruction
PERAIRE	CECILE	18652	Foundations of Software Engineering	In-pesrson with student rotation and remote course instruction
DA SILVA SOUSA	LEONARDO	18653	Software Architecture and Design	In-pesrson with student rotation and remote course instruction
ERDOGMUS	HAKAN	18654	Software Verification and Testing	In-pesrson with student rotation and remote course instruction
PERAIRE	CECILE	18658	Software Requirements and Interaction Design	In-pesrson with student rotation and remote course instruction

CHI	YUEJIE	18661	Introduction to Machine Learning for Engineers	Remote only course instruction
JOSHI	GAURI	18661	Introduction to Machine Learning for Engineers	Remote only course instruction
CHI	YUEJIE	18661	Introduction to Machine Learning for Engineers	In-pesrson with student rotation and remote course instruction
JOSHI	GAURI	18661	Introduction to Machine Learning for Engineers	In-pesrson with student rotation and remote course instruction
STROJWAS	ANDRZEJ	18664	ULSI Technology Status and Roadmap for System on Chips and System in Package	Remote only course instruction
DA SILVA SOUSA	LEONARDO	18668	Data Science for Software Engineering	In-pesrson with student rotation and remote course instruction
ZHENG	SIYANG	18669	Special Topics in Integrated Systems Technology	Remote only course instruction
TENNAKOON	SARATH	18681	Power Electronics	In-person and remote course instruction

TENNAKOON	SARATH	18681	Power Electronics	In-person and remote course instruction
CARLEY	RICK	18723	RFIC Design and Implementation	Remote only course instruction
MAI	KENNETH	18726	Projects in Integrated Circuit Design: First Silicon	In-person and remote course instruction
GLIGOR	VIRGIL	18730	Introduction to Computer Security	Remote only course instruction
GLIGOR	VIRGIL	18730	Introduction to Computer Security	Remote only course instruction
NDASHIMYE	EMMANUEL	18731	Network Security	In-person and remote course instruction
FANTI	GIULIA	18734	Foundation of Privacy	Remote only course instruction
FANTI	GIULIA	18734	Foundation of Privacy	Remote only course instruction

SHEN	JOHN	18740	Modern Computer Architecture and Design	Remote only course instruction
INSTRUCTOR TBA		18740	Modern Computer Architecture and Design	Remote only course instruction
INSTRUCTOR TBA		18740	Modern Computer Architecture and Design	Remote only course instruction
SHEN	JOHN	18740	Modern Computer Architecture and Design	Remote only course instruction
AMVROSIADIS	GEORGE	18746	Storage Systems	Remote only course instruction
GANGER	GREGORY	18746	Storage Systems	Remote only course instruction
IANNUCCI	BOB	18747	How to Write Low Power Code for the IoT	Remote only course instruction
IANNUCCI	BOB	18747	How to Write Low Power Code for the IoT	Remote only course instruction

NARASIMHAN	PRIYA	18749	Building Reliable Distributed Systems	Remote only course instruction
INSTRUCTOR TBA		18749	Building Reliable Distributed Systems	Remote only course instruction
TONGUZ	OZAN	18751	Applied Stochastic Processes	In-person and remote course instruction
BUSOGI	MOISE	18751	Applied Stochastic Processes	In-person and remote course instruction
TONGUZ	OZAN	18751	Applied Stochastic Processes	In-pesrson with student rotation and remote course instruction
YAGAN	OSMAN	18755	Networks in the Real World	Remote only course instruction
YAGAN	OSMAN	18755	Networks in the Real World	Remote only course instruction
KIM	HYONG	18756	Packet Switching and Computer Networks	In-person and remote course instruction

INSTRUCTOR TBA		18756	Packet Switching and Computer Networks	Remote only course instruction
NEGI	ROHIT	18758	Wireless Communications	In-person and remote course instruction
KAR	SOUMMYA	18771	Linear Systems	Remote only course instruction
ROMAGNOLI	RAFFAELE	18776	Non Linear Control	Remote only course instruction
LANE	IAN	18781	Speech Recognition and Understanding	Remote only course instruction
LANE	IAN	18781	Speech Recognition and Understanding	Remote only course instruction
MCSHARRY	PATRICK	18785	Data, Inference, and Applied Machine Learning	Remote only course instruction
MCSHARRY	PATRICK	18785	Data, Inference, and Applied Machine Learning	In-person and remote course instruction

MCSHARRY	PATRICK	18785	Data, Inference, and Applied Machine Learning	In-person and remote course instruction
RAMAKRISHNAN	BHIKSHA	18786	Introduction to Deep Learning	Remote only course instruction
RAMAKRISHNAN	BHIKSHA	18786	Introduction to Deep Learning	Remote only course instruction
INSTRUCTOR TBA		18786	Introduction to Deep Learning	Remote only course instruction
INSTRUCTOR TBA		18786	Introduction to Deep Learning	Remote only course instruction
RAMAKRISHNAN	BHIKSHA	18786	Introduction to Deep Learning	In-person and remote course instruction
RAMAKRISHNAN	BHIKSHA	18786	Introduction to Deep Learning	Remote only course instruction
STERN	RICHARD	18792	Advanced Digital Signal Processing	Remote only course instruction

INSTRUCTOR TBA		18792	Advanced Digital Signal Processing	Remote only course instruction
SANKARANARAY ANAN	ASWIN	18793	Image and Video Processing	Remote only course instruction
SANKARANARAY ANAN	ASWIN	18793	Image and Video Processing	In-pesrson with student rotation and remote course instruction
SAVVIDES	MARIOS	18794	Pattern Recognition Theory	Remote only course instruction
RAMAKRISHNAN	BHIKSHA	18797	Machine Learning for Signal Processing	Remote only course instruction
RAMAKRISHNAN	BHIKSHA	18797	Machine Learning for Signal Processing	In-person and remote course instruction
RAMAKRISHNAN	BHIKSHA	18797	Machine Learning for Signal Processing	Remote only course instruction
VERNON	DAVID	18799	Special Topics in Signal Processing	In-person and remote course instruction

KOMPALLI	SURYAPRAKASH	18799	Special Topics in Signal Processing	In-person and remote course instruction
LI	QING	18819	Special Topics in Applied Physics	In-person and remote course instruction
SATYANARAYANAN	MAHADEV	18843	Mobile and Pervasive Computing	In-person and remote course instruction
SIEWIOREK	DANIEL	18843	Mobile and Pervasive Computing	In-person and remote course instruction
SHI	RUNTING	18847	Special Topics in Computer Systems:	Remote only course instruction
SAINT	MARTIN	18859	Special Topics in Communications	In-person and remote course instruction
MOUTIS	PANAGIOTIS	18882	Special Topics in Energy Systems	In-person and remote course instruction
RAWN	BARRY	18882	Special Topics in Energy Systems	In-person and remote course instruction

MOUTIS	PANAGIOTIS	18882	Special Topics in Energy Systems	In-person and remote course instruction
RAWN	BARRY	18882	Special Topics in Energy Systems	In-person and remote course instruction
RAWN	BARRY	18883	Special Topics in Energy Systems	In-person and remote course instruction
MOUTIS	PANAGIOTIS	18883	Special Topics in Energy Systems	In-person and remote course instruction
RAWN	BARRY	18883	Special Topics in Energy Systems	In-person and remote course instruction
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RAWN	BARRY	18883	Special Topics in Energy Systems	In-person and remote course instruction
MOUTIS	PANAGIOTIS	18883	Special Topics in Energy Systems	In-person and remote course instruction

RAWN	BARRY	18883	Special Topics in Energy Systems	In-person and remote course instruction
RAWN	BARRY	18883	Special Topics in Energy Systems	In-person and remote course instruction
BAIN	JAMES	18901	Graduate Seminar	Remote only course instruction
BAIN	JAMES	18980	M.S. Graduate Project	In-person and remote course instruction
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BAIN	JAMES	18980	M.S. Graduate Project	In-person and remote course instruction
BAIN	JAMES	18989	Introduction to Graduate Studies	In-person and remote course instruction

BAIN	JAMES	18989	Introduction to Graduate Studies	In-person and remote course instruction
BAIN	JAMES	18989	Introduction to Graduate Studies	In-person and remote course instruction
BAIN	JAMES	18990	Reading and Research	In-person and remote course instruction
BAIN	JAMES	18990	Reading and Research	In-person and remote course instruction
BAIN	JAMES	18990	Reading and Research	In-person and remote course instruction
BAIN	JAMES	18991	ECE Graduate Teaching Internship	In-person and remote course instruction
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BAIN	JAMES	18991	ECE Graduate Teaching Internship	In-person and remote course instruction
BAIN	JAMES	18995	Practicum in Electrical and Computer Engineering	In-person and remote course instruction
BAIN	JAMES	18996	Internship One for Electrical and Computer Engineering PhD Students	In-person and remote course instruction
BAIN	JAMES	18996	Internship One for Electrical and Computer Engineering PhD Students	In-person and remote course instruction
BAIN	JAMES	18996	Internship One for Electrical and Computer Engineering PhD Students	In-person and remote course instruction
BAIN	JAMES	18997	Internship Two for Electrical and Computer Engineering PhD Students	In-person and remote course instruction
BAIN	JAMES	18997	Internship Two for Electrical and Computer Engineering PhD Students	In-person and remote course instruction
BAIN	JAMES	18997	Internship Two for Electrical and Computer Engineering PhD Students	In-person and remote course instruction

BAIN	JAMES	18998	Internship Three Electrical and Computer Engineering PhD Students	In-person and remote course instruction
BAIN	JAMES	18998	Internship Three Electrical and Computer Engineering PhD Students	In-person and remote course instruction
BAIN	JAMES	18998	Internship Three Electrical and Computer Engineering PhD Students	In-person and remote course instruction