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Course ID	Subject	Catalog		Title	Preq1 code	preq1 subject	preq1 catalog	pereq1 title	Co /Pre		Preq2 code	preq2 sub	preq2 cat	pereq2 title	Co /Pre		Preq3 code	preq3 no	preq3 cat	pereq3 title	Co /Pre		Preq4 code	preq4 no	preq4 cat	pereq4 title	Co /Pre
001371	BIOT	F352	BIOT F352	CELL & TISSUE CULTR TECH																							
001370	BIOT	F413	BIOT F413	MOLECULAR BIO OF CELL																							
001374	BIOT	F416	BIOT F416	INTRO TO PHARMA BIOTECH																							
001369	BIOT	F417	BIOT F417	BIOMOLECULAR MODELING		BIOT	F211	BIOLOGICAL CHEMISTRY	PRE																		
001376	BIOT	F420	BIOT F420	INTRO TO PLANT BIOTECH																							
001377	BIOT	F422	BIOT F422	NANOBIOTECHNOLOGY		BIO	F111	GENERAL BIOLOGY	PRE																		
001378	BIOT	F423	BIOT F423	DRUG DESIGN AND DELIVERY		CHEM	F111	GENERAL CHEMISTRY	PRE																		
001375	BIOT	F424	BIOT F424	FOOD BIOTECHNOLOGY		BIOT	F212	MICROBIOLOGY	PRE																		
001003	BITS	F110	BITS F110	ENGINEERING GRAPHICS																							
001004	BITS	F111	BITS F111	THERMODYNAMICS																							
001005	BITS	F112	BITS F112	TECH REPORT WRITING																							
	BITS	F113	BITS F113	GENERAL MATHEMATICS-I																							
	BITS	F114	BITS F114	GENERAL MATHEMATICS-II																							
	BITS	F214	BITS F214	SCIENCE, TECHNOLOGY AND MODERNITY																							
	BITS	F218	BITS F218	GENERAL MATHEMATICS-III																							
	BITS	F219	BITS F219	PROCESS ENGINEERING																							
001591	BITS	F221	BITS F221	PRACTICE SCHOOL I																							
001146	BITS	F223	BITS F223	OBJECT ORIENTED PROG																							
001332	BITS	F311	BITS F311	IMAGE PROCESSING																							
001334	BITS	F312	BITS F312	NEURAL NET & FUZZY LOGIC																							
	BITS	F312	BITS F312	NEURAL NETWORKS AND FUZZY LOGIC																							
001237	BITS	F313	BITS F313	MULTICRI DE MAK IN E & M																							
001511	BITS	F316	BITS F316	NONLINEAR DYNA & CHAOS	001010	MATH	F111	MATHEMATICS-I	PRE	AND	001011	MATH	F112	MATHEMATICS-II	PRE	AND	001022	MATH	F211	MATHEMATICS III	PRE						
	BITS	F317	BITS F317	THEORETICAL NEUROSCIENCE		PHY	F111	MECHANICS OSCILLATIONS AND WAVES	PRE	AND		BIO	F111	GENERAL BIOLOGY	PRE	AND		MATH	F211	MATHEMATICS III	PRE	AND		MATH	F113	PROBABILITY AND STATISTICS	

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001556	CHEM	F243	CHEM F243	ORGANIC CHEMISTRY II																							
001557	CHEM	F244	CHEM F244	PHYSICAL CHEMISTRY III	001118	CHEM	F213	PHYSICAL CHEMISTRY II	PRE																		
001559	CHEM	F311	CHEM F311	ORGANIC CHEMISTRY III	001117	CHEM	F212	ORGANIC CHEMISTRY I	PRE/C O																		
001560	CHEM	F312	CHEM F312	PHYSICAL CHEMISTRY IV																							
001558	CHEM	F313	CHEM F313	INSTRU METHODS OF ANAL																							
001570	CHEM	F323	CHEM F323	BIOPHYSICAL CHEMISTRY																							
001571	CHEM	F324	CHEM F324	NUMERICAL METHOD IN CHEM																							
001572	CHEM	F325	CHEM F325	POLYMER CHEMISTRY																							
001575	CHEM	F326	CHEM F326	SOLID STATE CHEMISTRY																							
001577	CHEM	F327	CHEM F327	ELECTROCHEM FUNDA & APPL																							
001579	CHEM	F328	CHEM F328	SUPRAMOLECULAR CHEMISTRY																							
001580	CHEM	F329	CHEM F329	ANALYTICAL CHEMISTRY																							
001582	CHEM	F330	CHEM F330	PHOTOPHYSICAL CHEMISTRY	001118	CHEM	F213	PHYSICAL CHEMISTRY II	PRE																		
001583	CHEM	F333	CHEM F333	CHEMISTRY OF MATERIALS																							
001584	CHEM	F334	CHEM F334	MAGNETIC RESONANCE	001118	CHEM	F213	PHYSICAL CHEMISTRY II	PRE	AND	001127	PHY	F212	ELECTROMAGNETIC THEO I	PRE												
001585	CHEM	F335	CHEM F335	ORGANIC CHEM & DRUG DES	001562	CHEM	F311	ORGANIC CHEMISTRY III	PRE/C O																		
001586	CHEM	F336	CHEM F336	NANOCHEMISTRY																							
001587	CHEM	F337	CHEM F337	GREEN CHEM & CATALYSIS																							
001561	CHEM	F341	CHEM F341	CHEMICAL EXPERIMENTATION II																							
001562	CHEM	F342	CHEM F342	ORGANIC CHEMISTRY IV																							
001563	CHEM	F343	CHEM F343	INORGANIC CHEMISTRY III																							
001573	CHEM	F412	CHEM F412	PHOTOCHEM & LASER SPECTR	001118	CHEM	F213	PHYSICAL CHEMISTRY II	PRE																		
001576	CHEM	F413	CHEM F413	E COREL IN ATOM & MOLEC	001557	CHEM	F244	PHYSICAL CHEMISTRY III	PRE																		
001578	CHEM	F414	CHEM F414	BIO & CHEMICAL SENSORS																							
001581	CHEM	F415	CHEM F415	FRONTIERS IN ORGANIC SYN	001559	CHEM	F311	ORGANIC CHEMISTRY III	PRE/C O																		
001574	CHEM	F422	CHEM F422	STATISTICAL THERMODYNAM	001116	CHEM	F211	PHYSICAL CHEMISTRY I	PRE																		



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001528	IS	F243	IS F243	DATABASE SYSTEMS & APPL																							
001531	IS	F301	IS F301	PRINCIPLES OF PROGG LANG	001142	IS	F211	DATA STRUCTURES & ALGO	PRE																		
001534	IS	F303	IS F303	COMPUTER NETWORKS	001530	IS	F372	OPERATING SYSTEMS	PRE																		
001532	IS	F311	IS F311	COMPUTER GRAPHICS																							
001141	IS	F322	IS F322	SOFTWARE TESTING	001529	IS	F341	SOFTWARE ENGINEERING	PRE																		
001529	IS	F341	IS F341	SOFTWARE ENGINEERING	001140	IS	F213	OBJECT ORIENTED PROG	PRE																		
001533	IS	F342	IS F342	COMPILER DESIGN	001531	IS	F301	PRINCIPLES OF PROGG LANG	PRE																		
001530	IS	F372	IS F372	OPERATING SYSTEMS																							
001331	IS	F462	IS F462	NETWORK PROGRAMMING																							
001010	MATH	F111	MATH F111	MATHEMATICS-I																							
001011	MATH	F112	MATH F112	MATHEMATICS-II																							
001012	MATH	F113	MATH F113	PROBABILITY & STATISTICS																							
001022	MATH	F211	MATH F211	MATHEMATICS III																							
001122	MATH	F212	MATH F212	OPTIMIZATION	001010	MATH	F111	MATHEMATICS-I	PRE	AND	001011	MATH	F112	MATHEMATICS-II	PRE												
001123	MATH	F213	MATH F213	DISCRETE MATHEMATICS																							
001124	MATH	F214	MATH F214	ELEMENTARY REAL ANALYSIS																							
001125	MATH	F215	MATH F215	ALGEBRA I																							
001340	MATH	F231	MATH F231	NUMBER THEORY																							
001465	MATH	F241	MATH F241	MATHEMATICAL METHODS																							
001466	MATH	F242	MATH F242	OPERATIONS RESEARCH	001012	MATH	F113	PROBABILITY & STATISTICS	PRE																		
001467	MATH	F243	MATH F243	GRAPHS AND NETWORKS																							
001468	MATH	F244	MATH F244	MEASURE & INTEGRATION	001124	MATH	F214	ELEMENTARY REAL ANALYSIS	PRE																		
001469	MATH	F311	MATH F311	INTRODUCTION TO TOPOLOGY																							
001470	MATH	F312	MATH F312	ORDINARY DIFF EQUATIONS	001022	MATH	F211	MATHEMATICS III	PRE																		
001471	MATH	F313	MATH F313	NUMERICAL ANALYSIS	001010	MATH	F111	MATHEMATICS-I	PRE	AND	001011	MATH	F112	MATHEMATICS-II	PRE												
001475	MATH	F314	MATH F314	ALGEBRA-II	001125	MATH	F215	ALGEBRA I	PRE																		
001472	MATH	F341	MATH F341	INTRO TO FUNCTIONAL ANAL	001124	MATH	F214	ELEMENTARY REAL ANALYSIS	PRE																		
001473	MATH	F342	MATH F342	DIFFERENTIAL GEOMETRY	001124	MATH	F214	ELEMENTARY REAL ANALYSIS	PRE																		

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001305	PHA	F415	PHA F415	PATHOPHYSIOLOGY	001087	PHA	F214	ANATOMY PHYSIO & HYGIENE	PRE	AND	001292	PHA	F242	BIOLOGICAL CHEMISTRY	PRE												
001306	PHA	F416	PHA F416	CHEM OF SYNTHETIC DRUGS	001291	PHA	F241	PHARMACEUTICAL CHEMISTRY	PRE																		
001307	PHA	F417	PHA F417	PHARMACOECONOMICS																							
001308	PHA	F422	PHA F422	COSMETIC SCIENCE																							
001309	PHA	F432	PHA F432	HOSPITAL PHARMACY																							
001310	PHA	F441	PHA F441	BIOCHEMICAL ENGINEERING	1292	PHA	F242	BIOLOGICAL CHEMISTRY	PRE																		
001311	PHA	F442	PHA F442	APPLIED PHARMA CHEMISTRY	001291	PHA	F241	PHARMACEUTICAL CHEMISTRY	PRE																		
001312	PHA	F461	PHA F461	PHYTOCHEMISTRY	001302	PHA	F344	NATURAL DRUGS	PRE																		
001521	PHIL	F211	PHIL F211	INTRODUCTORY PHILOSOPHY																							
001513	PHIL	F221	PHIL F221	SYMBOLIC LOGIC																							
001014	PHY	F110	PHY F110	PHYSICS LABORATORY																							
001015	PHY	F111	PHY F111	MECH OSCIL & WAVES																							
	PHY	F112	PHY F112	GENERAL PHYSICS																							
001126	PHY	F211	PHY F211	CLASSICAL MECHANICS	001015	PHY	F111	MECH OSCIL & WAVES	PRE																		
001127	PHY	F212	PHY F212	ELECTROMAGNETIC THEO I	001015	PHY	F111	MECH OSCIL & WAVES	PRE																		
001128	PHY	F213	PHY F213	OPTICS	001015	PHY	F111	MECH OSCIL & WAVES	PRE																		
001129	PHY	F214	PHY F214	ELEC MAGNET & OPTICS LAB																							
001493	PHY	F215	PHY F215	INTRO TO ASTRO & ASTROPH	001015	PHY	F111	MECH OSCIL & WAVES	PRE																		
001482	PHY	F241	PHY F241	ELECTROMAGNETIC THEO II	001127	PHY	F212	ELECTROMAGNETIC THEO I	PRE																		
001483	PHY	F242	PHY F242	QUANTUM MECHANICS I	001015	PHY	F111	MECH OSCIL & WAVES	PRE																		
001484	PHY	F243	PHY F243	MATH METHODS OF PHYSICS	001010	MATH	F111	MATHEMATICS-I	PRE	AND	001011	MATH	F112	MATHEMATICS-II	PRE	AND	001022	MATH	F211	MATHEMATICS III	PRE						
001485	PHY	F244	PHY F244	MODERN PHYSICS LAB																							
001486	PHY	F311	PHY F311	QUANTUM MECHANICS II	001483	PHY	F242	QUANTUM MECHANICS I	PRE																		
001487	PHY	F312	PHY F312	STATISTICAL MECHANICS	001483	PHY	F242	QUANTUM MECHANICS I	PRE																		
001488	PHY	F313	PHY F313	COMPUTATIONAL PHYSICS	001010	MATH	F111	MATHEMATICS-I	PRE	AND	001011	MATH	F112	MATHEMATICS-II	PRE	AND	001022	MATH	F211	MATHEMATICS III	PRE						
001494	PHY	F315	PHY F315	THEORY OF RELATIVITY	001015	PHY	F111	MECH OSCIL & WAVES	PRE																		

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	ME	F414	ME F414	FUEL CELL SCIENCE AND TECHNOLOGY		BITS	F111	THERMODYNAMICS																			
	CE	F325	CE F325	FUNDAMENTALS OF ROCK MECHANICS		CE	F243	SOIL MECHANICS																			
	CHE	F423	CHE F423	MEMBRANE SCIENCE AND ENGINEERING		CHE	F313	SEPARATION PROCESSES II																			
	CHE	F424	CHE F424	RHEOLOGY OF COMPLEX FLUIDS		CHE	F212	FLUID MECHANICS																			
	BITS	F323	BITS F323	VENTURE FINANCE		ECON	F212	FUNDAMENTALS OF FINANCE & ACCOUNTING																			
	PHY	F317	PHY F317	INTRODUCTION TO RADIO ASTRONOMY		MATH	F211	MATHEMATICS-III		and		PHY	F212	ELECTROMAGNETIC THEORY I		or		EEE/INSTR/ECE	F212	ELECTROMAGNETIC THEORY							
	PHY	F428	PHY F428	QUANTUM INFORMATION THEORY		BITS	F386	INTRODUCTION TO QUANTUM INFORMATION AND COMPUTATION		OR		PHY	F242	QUANTUM MECHANICS 1													
	CE	G564	CE G564	STRUCTURAL HEALTH ASSESSMENT AND REHABILITATION		CE	F311	DESIGN OF CONCRETE STRUCTURES		and		CE	F343	DESIGN OF STEEL STRUCTURES													
	MBA	G578	MBA G578	GAME THEORY AND BUSINESS STRATEGY		MBA	G513	QUANTITATIVE METHODS																			
	EEE	F436	EEE F436	Electromagnetic Compatibility		EEE/INSTR/ECE/PHY	F212	ELECTROMAGNETIC THEORY																			
	MATH	F481	MATH F481	COMMUTATIVE ALGEBRA		MATH	F215	ALGEBRA-I																			
	AN	F311	AN F311	Principles of Aerodynamics		CE	F231	FLUID MECHANICS	Pre	OR		CHE	F212	FLUID MECHANICS	Pre	OR		ME	F212	FLUID MECHANICS	Pre	OR		MF	F218	Transport Phenomena in Manufacturing	Pre

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	AN	F312	AN F312	Aircraft Propulsion		CE	F231	FLUID MECHANICS	Pre	OR		CHE	F212	FLUID MECHANICS	Pre	OR		ME	F212	FLUID MECHANICS	Pre	OR		MF	F218	Transport Phenomena in Manufacturing	Pre
	AN	F315	AN F315	Aircraft Structures		ME	F211	Mechanics of Solids	Pre	OR		CE	F211	Mechanics of Solids	Pre												
	CS	F316	CS F316	Quantum Architecture and Programming		CS	F215	Digital Design	Pre																		
	CS	F426	CS F426	Graph Mining		CS	F211	Data Structure and	Pre																		
	CS	F427	CS F427	Performance Analysis of Computer Networks		CS	F303	Computer Networks	Pre																		
	EEE	F419	EEE F419	Flexible and Stretchable Electronics		EEE	F214	Electronic Devices	Pre	OR		INSTR	F214	Electronic Devices	Pre	OR		ECE	F214	Electronic Devices	Pre						
	EEE	F420	EEE F420	Biomedical Signal Processing		EEE	F434	Digital Signal Processing	Pre	OR		ECE	F434	Digital Signal Processing	Pre												
	PHY	F346	PHY F346	Laser Science and Technology		PHY	F212	Electromagnetic Theory I	Pre	OR		EEE	F212	Electromagnetic Theory	Pre	OR		INSTR	F212	Electromagnetic Theory	Pre	OR		ECE	F212	Electromagnetic Theory	Pre
	CS	G518	CS G518	Internet of Things: Design and Development		CS	F303	Computer Networks	Co	OR		EEE	F414	Telecommunication Switching Systems and Networks	Co	OR		ECE	F414	Telecommunication Switching Systems and Networks	Co	OR		EEE	F346	Data Communication Networks	Co
001188	CHE	F341	CHE F341	CHEMICAL ENGG LAB II	001184	CHE	F311	KINETICS & REACTOR DESIG	CO	AND	001189	CHE	F342	PROCESS DYN & CONTROL	CO	AND	001186	CHE	F313	SEPARATION PROCESSES II	CO						
001427	BIO	F311	BIO F311	RECOMBINANT DNA TECH	001112	BIO	F211	BIOLOGICAL CHEMISTRY	PRE	OR		PHA	F242	BIOLOGICAL CHEMISTRY	Pre	AND	001425	BIO	F243	GENETICS	PRE						
001436	BIO	F421	BIO F421	ENZYMOLOGY	001112	BIO	F211	BIOLOGICAL CHEMISTRY	PRE	OR		PHA	F242	BIOLOGICAL CHEMISTRY	Pre												
001433	BIO	F417	BIO F417	BIOMOLECULAR MODELING	001112	BIO	F211	BIOLOGICAL CHEMISTRY	PRE	OR		PHA	F242	BIOLOGICAL CHEMISTRY	Pre												
002490	ECE	F216	ECE F216	Electronic Devices Simulation Laboratory	001080	EEE	F214	ELECTRONIC DEVICES	PRE	OR	001099	INSTR	F214	ELECTRONIC DEVICES	Pre	OR	001383	ECE	F214	ELECTRONIC DEVICES	PRE						
002491	ECE	F423	ECE F423	Electronic Material Design and Simulations Laboratory	001080	EEE	F214	ELECTRONIC DEVICES	PRE	OR	001099	INSTR	F214	ELECTRONIC DEVICES	Pre	OR	001383	ECE	F214	ELECTRONIC DEVICES	PRE						

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002492	ECE	F424	ECE F424	Smart Grid for Sustainable Energy	001239	EEE	F242	CONTROL SYSTEMS	PRE	OR	001342	INSTR	F242	CONTROL SYSTEMS	Pre	OR	001385	ECE	F242	CONTROL SYSTEMS	PRE						
002494	EEE	F216	EEE F216	Electronic Devices Simulation Laboratory	001080	EEE	F214	ELECTRONIC DEVICES	PRE	OR	001099	INSTR	F214	ELECTRONIC DEVICES	Pre	OR	001383	ECE	F214	ELECTRONIC DEVICES	PRE						
002495	EEE	F423	EEE F423	Electronic Material Design and Simulations Laboratory	001080	EEE	F214	ELECTRONIC DEVICES	PRE	OR	001099	INSTR	F214	ELECTRONIC DEVICES	Pre	OR	001383	ECE	F214	ELECTRONIC DEVICES	PRE						
002496	EEE	F424	EEE F424	Smart Grid for Sustainable Energy	001239	EEE	F242	CONTROL SYSTEMS	PRE	OR	001342	INSTR	F242	CONTROL SYSTEMS	Pre	OR	001385	ECE	F242	CONTROL SYSTEMS	PRE						
002499	EEE	F430	EEE F430	Green Communications and Networks	001242	EEE	F311	COMMUNICATION SYSTEMS	PRE																		
002500	INSTR	F216	INSTR F216	Electronic Devices Simulation Laboratory	001080	EEE	F214	ELECTRONIC DEVICES	PRE	OR	001099	INSTR	F214	ELECTRONIC DEVICES	Pre	OR	001383	ECE	F214	ELECTRONIC DEVICES	PRE						
002501	INSTR	F423	INSTR F423	Electronic Material Design and Simulations Laboratory	001080	EEE	F214	ELECTRONIC DEVICES	PRE	OR	001099	INSTR	F214	ELECTRONIC DEVICES	Pre	OR	001383	ECE	F214	ELECTRONIC DEVICES	PRE						
002502	INSTR	F424	INSTR F424	Smart Grid for Sustainable Energy	001239	EEE	F242	CONTROL SYSTEMS	PRE	OR	001342	INSTR	F242	CONTROL SYSTEMS	Pre	OR	001385	ECE	F242	CONTROL SYSTEMS	PRE						
002506	PHA	F315	PHA F315	Pharmaceutical Formulations II	002504	PHA	F216	Pharmaceutical Formulations I	PRE																		
002508	PHA	F317	PHA F317	Safety Pharmacology and Toxicology	001295	PHA	F311	PHARMACOLOGY I	PRE																		
002510	PHA	F419	PHA F419	Herbal Drug Technology	001302	PHA	F344	NATURAL DRUGS	PRE																		
001899	BITS	F429	BITS F429	NANOTECHNOGY FOR RENEWABLE ENERGY AND ENVIRONMENT	BITS / CHE / ME / F243 / F21		F214	MATERIAL SCIENCE & ENGINEERING	PRE	OR		CHEM	F333	CHEMISTRY OF MATERIALS	PRE	OR		PHY	F414	PHYSICS OF ADVANCED MATRIALS	PRE						
002512	EEE	G614	EEE G614	Advanced Wireless Communications	001242	EEE	F311	COMMUNICATION SYSTEMS	PRE																		
002513	EEE	G514	EEE G514	Nanoelectronic Memories and Technology	001080	EEE	F214	ELECTRONIC DEVICES	PRE	OR	001243	EEE	F313	ANALOG AND DIGITAL VLSI DESIGN	PRE	OR	000743	MEL	G621	VLSI DESIGN	PRE	OR	000744	MEL	G631	PHYSICS AND MODELLING OF MICROELECTRONIC DEVICES	PRE





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