My Academic Requirements

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My Academic Requirements

Course List Detail: Technical/ENGN Electives

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✔ Taken   ◆ In Progress   ★ Planned   🔁 Repeated

▼ **Technical/ENGN Electives**

Not Satisfied: Students are required to complete 6 credit hours of coursework

The following courses may be used to satisfy this requirement:

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Course	Description	Units	When	Grade	Status
AEEM2022	THERMO AND ENERGY SYSTEMS	3.00	Annually, Summer		
AEEM2042C	AERODYNAMICS	4.00	Occasionally		
AEEM2043C	BASIC FLUID MECHANICS	4.00	Annually, Summer		
AEEM3013	GAS DYNAMICS	3.00	Annually, Spring		
AEEM3014	AERODYNAMICS	2.00	Annually, Spring		
AEEM3022	MODEL/SIM DYN. SYS.	3.00	Annually, Spring		
AEEM3062	COMPUTATIONAL MECHANICS	3.00	Never		
AEEM4052C	MECHANICS OF SOLIDS	3.00	Annually, Fall		
AEEM4062C	PROPULSION SYSTEMS	5.00	Never		
AEEM5101	ADVANCED STRENGTH OF MATERIALS	3.00	Annually, Fall		
AEEM5103	ANALYTICAL DYNAMICS	3.00	Annually, Spring		
AEEM5115	MODERN CONTROL	3.00	Annually, Fall		
AEEM5122	OPTIMAL CONTROL	3.00	Never		
AEEM5195	ASTRODYNAMICS	3.00	Never		
AEEM5196	FUZZY CONTROL SYSTEMS	3.00	Never		
AEEM5198	UNMANNED AIRCRAFT SYSTEMS	3.00	Occasionally		
BIOL2030	SENSING IN ANIMALS AND ROBOTS	3.00	Annually, Spring		
BME4021C	TISSUE BIOMECHANICS	4.00	Annually, Fall		
BME4060	MATH MODELS OF PHYS	3.00	Never		
BME4066	COMPUT NEUROSCIENCE	3.00	Never		
CS3001	BIG DATA NON-MAJORS	3.00	Occasionally		
CS3003	PROGRAMMING LANGUAGES	3.00	Annually, Fall, Summer		
CS4001	NETWORKS	3.00	Never		
CS4003	PROGRAM.LANGS.	3.00	Never		
CS4033	AI PRINCIPLES AND APPLICATIONS	3.00	Annually, Fall, Spring		
CS4065	COMPUTER NETWORKS	3.00	Annually, Fall, Spring		
CS4071	D & A OF ALGORITHMS	3.00	Annually, Spring, Summer		
CS4092	DBASE DESIGN/DEVEL	3.00	Annually, Spring, Summer		
CS5001	CS SENIOR DSGN I	3.00	Annually, Fall		
CS5002	CS SENIOR DSGN II	3.00	Annually, Spring		
CS5121	MATHEMATICAL LOGIC	3.00	Occasionally		
CS5124	VISUAL INTERFACES DATA	3.00	Annually, Spring		
CS5125	DATA ENCODING	3.00	Occasionally		
CS5126	FORMAL METHODS	3.00	Never		
CS5127	REQUIREMENTS ENGINEERING	3.00	Occasionally		
CS5128	LRG SCL SOFTWR ENGG	3.00	Occasionally		
CS5129	DIST BLCKCHN & SMART CNTRCTS	3.00	Occasionally		
CS5130	ADV SOFTWARE ENGR	3.00	Occasionally		
CS5133	ARTIFICIAL INTELLIGENCE	3.00	Occasionally		
CS5134	NATURAL LANGUAGE PROCESSING	3.00	Occasionally		
CS5135	LEARNING PROBABILISTIC MODELS	3.00	Occasionally		
CS5137	MACHINE LEARNING	3.00	Occasionally		
CS5138	MALWARE ANALYSIS	3.00	Occasionally		
CS5143	COMPUTER NETWORKING	3.00	Occasionally		
CS5151	DATABASE THEORY	3.00	Occasionally		
CS5152	INTELLIGENT DATA ANALYSIS	3.00	Occasionally		
CS5153	NETWORK SECURITY	3.00	Occasionally		
CS5154	INFO RETRIEVAL	3.00	Occasionally		
CS5155	CYBER DEFENSE OVERVIEW	3.00	Occasionally		
CS5156	SEC VULN ASSESSMENT	3.00	Occasionally		
CS5157	MOBILE SECURITY	3.00	Never		
CS5158	DATA SECURITY AND PRIVACY	3.00	Occasionally		
CS5160	COMPUTER GRAPHICS I	3.00	Occasionally		
CS5163	DISTRIBUTED SYSTEMS	3.00	Never		

CS5165	CLOUD COMPUTING	3.00	Occasionally		
CS5166	CLOUD CMP SCI ENGR	3.00	Occasionally		
CS5167	USER INTERFACE I	3.00	Occasionally		
CS5168	PARALLEL COMPUTING	3.00	Occasionally		
CS5169	COLLABORATIVE COMP	3.00	Never		
CS5170	AUTOMATA	3.00	Annually, Fall		
CS5172	NETWORK SCIENCE	3.00	Annually, Fall		
CS5173	DEEP LEARNING	3.00	Occasionally		
CS5174	SOFTWARE ARCH	3.00	Occasionally		
CS5175	PRIN MODERN NETWORKING	3.00	Occasionally		
CS5197	WIRELESS NET	3.00	Never		
CVE2005	FLUID MECHANICS	3.00	Annually, Spring, Summer		
CVE2031	STATICS	2.00	Annually, Fall, Spring		
CVE2032	BASIC STRENGTH OF MATERIALS	2.00	Annually, Fall, Spring		
CVE3003	RELIABILITY	3.00	Annually, Fall		
CVE5108	TRANSPORT PLAN & SUS *** view multiple offerings	3.00			
CVE5110C	ADVANCED TRAFFIC ENGINEERING	3.00	Occasionally		
CVE5111	ADV STR OF MATERIAL	3.00	Annually, Fall		
CVE5138	LEADERSHIP/DECISION MAKING	3.00	Annually, Spring		
CVE5141	PROJECT MANAGEMENT FUNCTIONS	3.00	Annually, Spring		
CVE5179	DATA MGMT & ANLYS	3.00	Never		
CVE5186	OPTIMAL STRATEGIES	3.00	Occasionally		
DAAP3001	INTERACTIVE DIGITAL ARTS	3.00	Occasionally		
EECE2077	SEMICONDUCTOR DEVICES	3.00	Annually, Spring, Summer		
EECE3076	SIGNALS/SYSTEMS II	3.00	Annually, Spring		
EECE3080	ENGINEERING ELECTROMAGNETICS	4.00	Annually, Spring, Summer		
EECE3093	SOFTWARE ENGR	3.00	Never		
EECE3093L	SOFTWARE ENGR LAB	1.00	Never		
EECE4005	SPECIAL STUDIES	1.00-6.00	Occasionally		
EECE4080	ROBOTICS PRACTICUM	3.00	Occasionally		
EECE4090	CONTROL SYSTEMS	3.00	Annually, Fall, Spring		
EECE4092	DATABASE DESIGN AND DEVELOP	3.00	Never		
EECE5001	EE SENIOR DES I	3.00	Annually, Fall		
EECE5002	EE SENIOR DES II	3.00	Annually, Spring		
EECE5051	CYBR ENGR SR DES I	3.00	Annually, Fall		
EECE5052	CYBR ENGR SR DES II	3.00	Annually, Spring		
EECE5106C	BIOMEDICAL INSTRUMENTATION	3.00	Annually, Spring		
EECE5107	BIOMEDICAL MICROSYSTEMS	3.00	Occasionally		
EECE5108	FUNDAMENTALS OF MEMS	3.00	Occasionally		
EECE5109C	ADV RF & MCRWAV ELECTRON	4.00	Occasionally		
EECE5110	DATABASE MANAGEMENT	3.00	Never		
EECE5111	RF AND MICROWAVE COMM	3.00	Occasionally		
EECE5112	CNTMP INSTM & AUTOM	3.00	Occasionally		
EECE5113C	EMBEDDED SYSTEMS ENGINEERING I	3.00	Occasionally		
EECE5114C	EMBEDDED SYS ENGINEERING II	2.00	Occasionally		
EECE5115C	INSTRUM/INDUST CTRL	4.00	Occasionally		

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