Brian Culberson   go to ...   ▼ ⟫

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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
EECE5116C	ELECTRIC MACH/DRVS	4.00	Occasionally		
EECE5117C	EMBEDDED SYSTEMS	4.00	Occasionally		
EECE5118	MICROFAB SMCND DEV	3.00	Occasionally		
EECE5119	PROB & RAND PROC	3.00	Annually, Fall		
EECE5120	ELECMAGNET ENRG CON	3.00	Occasionally		
EECE5121	HAPTIC & COLLAB ROBOT	3.00	Annually, Fall		
EECE5122C	QUANTUM SYSTEMS	3.00	Occasionally		
EECE5123C	SEC/TRUST CVBERPHYS SYS	4.00	Occasionally		
EECE5124	INTRO DIG SIG PROC	3.00	Occasionally		
EECE5125	POWER ELECTRONICS	3.00	Occasionally		
EECE5126	INTRO COMM SYS	3.00	Occasionally		
EECE5127	DIG COMM SYSTEMS	3.00	Occasionally		
EECE5128C	INTELLIGENT MACHINE DESIGN	4.00	Annually, Spring		
EECE5129	OPERATING SYSTEMS	3.00	Occasionally		
EECE5130	TRUST DIGITAL HARDWARE	3.00	Occasionally		
EECE5131	INTERCON NETWORKS	3.00	Occasionally		
EECE5132	SOFTWARE TEST & QA	3.00	Occasionally		
EECE5133	GPS PRINCIPLES	3.00	Occasionally		
EECE5134C	HW DES-FPGAS-SEC/TRSTWRTHY SYS	4.00	Occasionally		
EECE5135	INFO THEORY	3.00	Occasionally		
EECE5136	INTELLIGENT SYSTEMS	3.00	Occasionally		
EECE5137C	SOLAR PV SYS FUND	4.00	Occasionally		
EECE5138C	ADVANCED MICROSYSTEM DESIGN	4.00	Occasionally		
EECE5139C	ADVANCED MICROSYSTEMS I	3.00	Occasionally		
EECE5140C	ADVANCED MICROSYSTEMS II	2.00	Occasionally		
EECE5141C	MICROFAB LAB	3.00	Occasionally		
EECE5142	DIGITAL IMAGE PROC	3.00	Occasionally		
EECE5143	OPT METHODS/MODELS	3.00	Never		
EECE5144C	INTRO MECHATRONICS	4.00	Annually, Fall		
EECE5145	INTRO QUANTUM COMP	3.00	Occasionally		
EECE5146	PRCLPS & PRCTC EVOL CMPTG	3.00	Occasionally		
EECE5147	DYNAMIC OPTIMIZATION	3.00	Occasionally		
EECE5148C	OPTICS FOR ENGINEERS	3.00	Annually, Spring		
EECE5149	APPLIED MACHINE LEARNING	3.00	Occasionally		
EECE5150	CMPD/ORG S/C PHYS	3.00	Occasionally		
EECE5151	INTRO TO SENSORS	3.00	Occasionally		
EECE5152	SEMICONDUCTOR PHOTONICS	3.00	Occasionally		
EECE5161	COMP NTWRK EXPLOITN	3.00	Never		
EECE5163	DISTRIBUTED SYSTEMS	3.00	Never		
EECE5178C	BIOMICROFLUIDIC SYSTEMS	4.00	Occasionally		
EECE5180C	INTRO VLSI DESIGN	4.00	Occasionally		
EECE5182C	VLSI DESIGN FOR TEST AND POWER	4.00	Occasionally		
EECE5183	COMPILER THRY/PRAC	3.00	Occasionally		
EECE5186C	VLSI DESIGN AUTOMATION	4.00	Occasionally		
EECE5188	NANO DEVICES FOR VLSI TECH	3.00	Never		
EECE5190	FLEXIBLE ELECTRONICS	3.00	Never		
ENVE3040	CIVIL & ENV SYS ANALYSIS	3.00	Annually, Spring		
ENVE3045	ENV MAT BAL	3.00	Never		
ENVE3094	SUSTAINABLE URBANISM IN CHINA	3.00	Never		
ENVE4051	STATS & RELIABILITY	3.00	Never		
ENVE4062	KINETICS AND REACTION ENG	3.00	Annually, Fall		
ENVE4093	HYDRAULIC SYSTEMS	3.00	Annually, Fall, Spring		
ENVE4093L	HYDRAULIC SYSTEMS	2.00	Annually, Fall		

ENVE4050L	LABORATORY	2.00	Annually, Fall	
ENVE5043	HYDROLOGY	3.00	Never	
GEOL3000C	PALEONTOLOGY & GEOBIOLOGY	3.00	Annually, Fall	
GEOL3002	GEOCHEMISTRY	3.00	Annually, Fall	
GEOL3003C	PETROLOGY	3.00	Annually, Fall	
GEOL3004C	STRUCTURAL GEOLOGY	3.00	Never	
GEOL3005C	FUNDAMENTALS OF GROUNDWATER	3.00	Annually, Fall	
GEOL4001C	PALEONTOLOGY 1	4.00	Occasionally	
GEOL4002C	VERTEBRATE PALEONTOLOGY	3.00	Occasionally	
GEOL4003	SEDIMENTOLOGY	3.00	Occasionally	
GEOL4004	GLACIAL GEOLOGY	3.00	Occasionally	
GEOL4005	BIODIV THRU TIME	3.00	Never	
GEOL4007	MARINE PALEOECOLOGY	3.00	Occasionally	
GEOL4008C	CLAY MINERALOGY	3.00	Occasionally	
GEOL4009	ENVIRON GEOCHEM	3.00	Never	
GEOL4010C	IGPET	4.00	Occasionally	
GEOL4011C	QUATERNARY GEOLOGY	3.00	Occasionally	
GEOL4013	ORGANIC GEOCHEM	3.00	Never	
GEOL4014	QUANT PALEO	3.00	Never	
GEOL4024	GROUNDWATER MODELING	3.00	Occasionally	
GEOL4025C	THERMO	4.00	Occasionally	
GEOL4028	ISOTOPE BIOGEOCHEM.	3.00	Occasionally	
GEOL4029	STABLE ISOTOPE ECOLOGY	3.00	Annually, Fall	
GEOL4031C	GEOCHRONOLOGY	3.00	Occasionally	
GEOL4036	HOLOCENE ENVIRONMENT & CULTURE	3.00	Occasionally	
GEOL4037	EARTH'S EARLY BIOSPHERE	3.00	Occasionally	
GEOL4043	HYDROFRACKING	3.00	Never	
GEOL4048C	ZOOARCHAEOLOGY	3.00	Odd Years, Fall	
GEOL4049C	RAMAN SPECTROSCOPY GEOSCIENCES	3.00	Even Years, Spring	
IT5035C	CYBERATTACK	3.00		
MATH2073	DIFFERENTIAL EQNS *** view multiple offerings	3.00		
MATH3001	INTRO ABST MATH *** view multiple offerings	3.00		
MATH3002	INTRO ANALYSIS	3.00	Annually, Fall, Spring	
MATH3004	INTRO ABST ALGEBRA	3.00	Annually, Fall	
MATH3005	INTRO GEOMETRY	3.00	Annually, Spring	
MATH3006	MATH MODELING	3.00	Annually, Fall	
MATH3008	INTR FINANCIAL MATH	3.00	Never	
MATH4008	INTRO PROBABILITY	3.00	Annually, Fall	
MATH4009	FINANCIAL MATH	3.00	Annually, Spring	
MATH4012	DIFF GEO & TOPOLOGY	3.00	Even Years, Spring	
MATH5101	ADV CALC I	4.00	Annually, Fall	
MATH5103	ABST LIN ALGEBRA	3.00	Annually, Fall	
MATH5105	INTRO COMPLEX ANALYSIS	3.00	Annually, Fall	
MATH5106	NUMERICAL ANALYSIS	3.00	Annually, Fall	
MATH5107	PDE & FOURIER ANALYSIS	3.00	Annually, Spring	
MATH5108	APP PROBABILITY & STOCH PROCES	3.00	Annually, Fall	
MATH5112	APPLIED LINEAR ALGEBRA	3.00	Annually, Fall	
MATH5115	MATHEMATICAL PROGRAMMING	3.00	Annually, Spring	

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