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Course ID	Course Name	Instructor	Textbook title	Author(s)	Edition	ISBN
ECEN 2010	Special Topics	McNeill	No textbook required	-	-	-
ECEN 3250	Microelectronics	Affrunti	Microelectronic Circuits with Lab Manual	Sedra & Smith	8th	978-0197536612 or 978-0197536629
ECEN 3350	Programming Digital Systems	Chaudhary	Computer Systems: A Programmer's Perspective	O'Hallaron & Bryant	3rd	978-0134092669
ECEN 3810	Introduction to Probability Theory	Santos	Probability and Stochastic Processes	Yates & Goodman	3rd	111-8324560
ECEN 4000	Automation of Industrial Processes	Chaudhary	Programmable Logic Controllers	Petruzella	5th	978-1264163342
ECEN 4138	Control Systems Analysis	Santos	Modern Control Systems	Dorf & Bishop	13th	013-4407628
			Feedback Control of Dynamic Systems	Franklin & others	8th	013-4685717
ECEN 4610	Capstone Laboratory Part 1	Castro	Engineering Communication Manual	House	1st	ECEN 4610 Textbook link
ECEN 4632	Introduction to Digital Filtering	Santos	Digital Signal Processing	Proakis & Manolakis	4th	013-1873741
ECEN 4797	Introduction to Power Electronics	Chaudhary	Fundamentals of Power Electronics	Maksimovic & Erickson	3rd	978-3030438791
CVEN 3246	Introduction to Construction	Techera	Construction Project Management	Gould & Joyce	5th	978-0137467310
CVEN 3323	Hydraulic Engineering	Sholtes J.	Fundamentals of Hydraulic Engineering Systems	Houghtalen, Akan & Hwang	5th	978-0134292380
CVEN 3414	Fund. of Environmental Eng.	Sholtes K.	Principles of Environmental Engineering & Science	Davis & Masten	4th	978-1260548020
CVEN 3525	Structural Analysis	Techera	Structural Analysis	Hibbeler	10th	978-0134610672
CVEN 3602	Transportation Systems	Sholtes K.	No textbook required	-	-	-
CVEN 3718	Geotechnical Engineering 2	Sholtes K.	An Introduction to Geotechnical Engineering	Holtz, Kovacs & Sheahan	2nd	978-0132496346
CVEN 3837	Advanced AutoCAD	TBD	-	-	-	-
CVEN 4333	Engineering Hydrology	Sholtes J.	Hydrology and Floodplain Analysis	Bedient & Huber	6th	978-0134751979
CVEN 4545	Steel Design	Techera	Structural Steel Design	McCormac & Csernak	6th	978-0134589657
			Steel Construction Manual (See instructor's email for discount)	AISC	16th	978-1564241160
CVEN 4897	Professional Issues	Boulden/Hartmann	Email instructor	-	-	-
MCEN 2000	Professionalism Seminar	McNeill	No textbook required	-	-	-
MCEN 3012	Thermodynamics 1	Mitrano	Online Text will be available the 1st day of classes	-	-	-
MCEN 3017	Circuits and Electronics	Affrunti	Electrical Eng: Princ & Applic w Mastering Eng.	Hambley	7th	978-0134680613 or 978-0134680620
MCEN 3021	Fluid Mechanics	Mitrano	Munson, Young and Okiishi's Fund. of Fluid Mech.	Gerhart, Gerhart & Hochstein	8/7/6th	978-1119080701
MCEN 3030	Computational Methods	Castro	Numerical Methods for Engineers and Scientists	Gilat & Subramaniam	3rd	MCEN 3030 Textbook link
MCEN 4026	Manufacturing Processes	McNeill	Metals Handbook Desk Edition	Davis	2nd	978-0871706546
MCEN 4043	System Dynamics	Castro	System Dynamics	Palm III	4th	MCEN 4043 Textbook link
MCEN 4045	ME Design Project 1	Castro	Engineering Communication Manual	House	1st	MCEN 4045 Textbook link
MCEN 4228	Biomechanics	Mitrano	No textbook required	-	-	-
MCEN 4228	Industrial Automation	Chaudhary	Programmable Logic Controllers	Petruzella	5th	978-1264163342