

Course ID	Course Name	Instructor	Textbook Title	Author(s)	Edition	ISBN
ENGR 101	Introduction to Engineering	Kessler	To Engineer is Human	Petrosky	-	978-0679734161
			Stuff Matters: Exploring the Marvelous Materials	Miodownik	1st	978-0544483941
			The Emerald Mile: The Epic Story	Fedarko	1st	978-1439159866
CIVE 127	Engineering Drawing for Civil	Krohn	A Practical Guide to AutoCAD Civil 3D 2020	Ellis	-	978-1934865491
ENGR 125	CAD & Fabrication	Penick/Turner/Kjeldgaard	Intro. to Solid Modeling Using SW2021	Howard & Musto	17th	978-1265849955
CSCI 130	Intro. to Engineering Comp Science	Wall	C++ for Engineers and Scientists - Digital Direct	Bronson	-	978-1133709855
CSCI 112	Data Structures	Antoun	Revel for Introduction to C++ Programming and Data Structures	Liang	-	978-0136922049
CIVE 212	Intro to Geomatics	Krohn	No textbook required	-	-	-
EECE 225	Intro to Circuits & Electronics	Mellenthin	Fundamentals of Electric Circuits	Alexander	-	978-1260226409
			Experiments Manual for Contemporary Electronics	Frenzel	1st	978-0077520878
EECE 235	Digital Logic	Mellenthin	Fundamentals of Digital Logic Verilog Design	Brown	3rd	978-0073380544
EECE 237	Embedded Software Engineering	Mellenthin	Making Embedded Systems: Design Patterns for Great Software	White	1st	978-1449302146
ENGR 224	Materials Science	Kessler/Lanci	Metals Handbook Desk Edition	Davis	2nd	978-0871706546
ENGR 225	Introduction to Manufacturing	Lanci	Metals Handbook Desk Edition	Davis	2nd	978-0871706546
ENGR 261	Statics & Structures	Krohn	Engineering Mechanics: Statics	Meriam & Kraige	7th	978-0470614730
ENGR 263	Mechanics of Solids	Kessler	Mechanics of Materials	Hibbeler	10th	978-0134319650
STAT 305	Stats & Quality Control for Engr.	Ott	Probability & Statistics for Eng. & Sciences	Devore	-	978-1337431163
ENGR 305	Eng. Economics & Ethics	Lanci	Engineering Ethics: Concepts and Cases	Harris, Pritchard & Rabins	5th	978-1133934684
			Engineering Economic Analysis (with CD)	Newnan	12th	978-0199339273
ENGR 312	Engineering Thermodynamics	Penick	Thermodynamics - Direct Digital (Required)	Cengel & Boles	-	978-1260559965
			Thermodynamics - Loose Leaf Print Option (Optional)	Cengel & Boles	-	978-1264117567
ENGR 321	Fluid Mechanics	Penick	Applied Fluid Mechanics - Direct Digital (Required)	Mott & Untener	-	978-0133494839
			Applied Fluid Mechanics (Optional)	Mott & Untener	-	978-0132558921
ENGR 343	Dynamics	Bevill	Engineering Mechanics: Dynamics	Hibbeler	13th	978-0132911276
ENGR 345	Engineering Integration I	Bevill	OPTIONAL: Mechanical Design Process	Ullman	5th	978-0073398266
ENGR 396	Vehicle Dynamics	Kessler	Contact Instructor	-	-	-
ENGR 401	Professionalism Seminar	Lanci	No textbook required	-	-	-
ENGR 427	Engineering Measurements	Bevill	OPTIONAL: Theory & Design for Mech. Meas,	Figliola & Beasley	6th	978-1118881279
ENGR 445	ME Design Project 1	Penick	No textbook required	-	-	-
ENGR 455	Fluid Power Systems	Penick	Fluid Power Systems (with CD)	Klette	2nd	978-0826936349
ECEN 2370	Embedded Software Engineering	Mellenthin	Making Embedded Systems: Design Patterns for Great Software	White	1st	978-1449302146
ECEN 3250	Microelectronics	Affrunti	Microelectronic Circuits with Lab Manual	Sedra & Smith	8th	978-0197536612 or 978-0197536629
ECEN 3350	Programming Digital Systems	Chaudhary	Contact Instructor	-	-	-
ECEN 4000	Automation of Industrial Processes	Chaudhary	Contact Instructor	-	-	-
ECEN 4000	Microfabrication of Electrical Devices	Chaudhary	Contact Instructor	-	-	-
ECEN 4000	Power Systems	Basumallik	Feedback Control of Dynamic Systems	Franklin, Powers, et al.	8th	978-0134685717
ECEN 4138	Control Systems Analysis	Basumallik	Power System Analysis and Design	Glover, Overby, et al.	6th	978-0357700907
ECEN 4610	Capstone Laboratory Part 1	Castro	No textbook required	-	-	-
CVEN 3246	Intro to Construction	Techera	Construction Management Fundamentals	Knutson & others	2nd	978-0073401041
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 & Master Eng. Subscription (See instructor's email)	Hibbeler	10th	-
CVEN 3602	Transportation	Sholtes K.	Principles of Highway Engineering and Traffic Analysis	Mannering & Washburn	7th	978-1119723196
CVEN 3708	Geotechnical Engineering 1	Sholtes K.	Geotechnical Engineering Principles and Practices	Coduto, Yeung & Kitch	2nd	978-8120341555
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	15th	978-1564240071
CVEN 4837	GIS for Civil & Environ. Systems	Sholtes J.	Mastering ArcGIS Pro	Price	1st	978-1260587333
CVEN 4897	Professional Issues	Sholtes J.	No textbook required	-	-	-
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
			Experiments in Basic Circuits: Theory and Application (Lab Manual)	Buchla	10th	978-0134879987
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	978-1118554937
MCEN 4026	Manufacturing Processes	Tsai	Metals Handbook Desk Edition	Davis	2nd	978-0871706546
MCEN 4043	System Dynamics	Castro	System Dynamics	Palm III	3rd or 4th	978-0073398068
MCEN 4045	ME Design Project 1	Castro	No textbook required	-	-	-
MCEN 4228	Biomechanics	Mitrano	No textbook required	-	-	-
MCEN 4228	Industrial Automation	Chaudhary	Contact Instructor	-	-	-