Course ID | Course Name | Instructor | Textbook title | Author(s) | Edition | ISBN
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CVEN 3227 | Probability and Statistics | J. Sholtes | Probability Concepts in Engineering | Ang & Tang | 2nd | 978-0471720645
CVEN 3256 | Construction Equipment and Methods | Techera | Contact instructor at [Website or email](#) | - | - | -
CVEN 3424 | Water and Wastewater Treatment | K. Sholtes | Water & Wastewater Engineering: Design Principles & Practice | Davis | 2nd | 978-1260132274
CVEN 3718 | Geotechnical Engineering 2 | K. Sholtes | Geotechnical Engineering Principles and Practices | Coduto, Yeung & Kilich | 2nd | 978-0132386861
CVEN 3170 | Electromagnetic Energy Conversion 1 | Chaudhary | Contact instructor at Website or email | - | - | -
ECEN 3300 | Linear Systems | Basumalik | Advanced Linear Algebra for Engineers Using MATLAB | Dianat & Saber | - | 978-1420095234
ECEN 3593 | Computer Organization | Chaudhary | Optional: Computer Organization and Design | Patterson & Hennessy | 6th | 012-4077269
ECEN 3810 | Introduction to Probability Theory | Basumalik | A Modern Introduction to Probability and Statistics | Dekking | - | 978-1849969529
MCEN 3012 | Thermodynamics | Castro | Thermodynamics: An Engineering Approach (Textbook only) | Cengel, Boles & Kanoglu | 9th | Textbook link
MCEN 3022 | Heat Transfer | Mitran | Recommended: Fund. of Heat and Mass Transfer | Bergman | 8, 7 or 6th | -
MCEN 3025 | Component Design | Castro | Machine Design (Textbook only) | Norton | 6th | Textbook link
MCEN 3032 | Thermodynamics 2 | McNell | Thermodynamics: An Engineering Approach | Cengel, Boles & Kanoglu | 9th | 978-1259822674
MCEN 3047 | Data Analysis and Exp. Methods | Mitran | Statistics for Engineers & Scientists | Navidi | 4th | 978-0073401331
ECEN 4620 | Capstone Lab Part 2 | McNell | No textbook required | - | - | -
ECEN 4638 | Control Systems Laboratory | Basumalik | No textbook required | - | - | -
CVEN 4555 | Reinforced Concrete Design | Techera | Contact instructor at [Website or email](#) | - | - | -
CVEN 4836 | Special Topics: Building Info Model. | Techera | Contact instructor at [Website or email](#) | - | - | -
CVEN 4899 | CE Senior Design Project | J. Sholtes | No textbook required | - | - | -
MCEN 4085 | ME Design Project 2 | McNell | No textbook required | - | - | -
MCEN 4086 | Writing for Design Projects | Lanc | Engineering Communication Manual | House | 1st | 978-0199339105
MCEN 4173 | Finite Element Analysis | Castro | Introduction to FEA Using SW Simulations 2021 | Shih | - | Textbook link
MCEN 4228 | Special Topics in ME: Mechatronics | Affrunti | Mechatronics | Bolton | 6th | 978-1292076883