The James P. Keeter School of Engineering at College of the Ozarks BS in Engineering

Notional course sequence when starting in Trigonometry (Refer to College Catalog for additional requirements)

Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall
ENR 1103 Intro to Eng. (co: Trig)	ENR 1123 Eng. Modeling (co: MAT 175)	ENR 2173 Statics (Alt: PHY 273) (co: PHY 234)	ENR 2413 Mechanics of Materials	ENR 3203[2] Civil Eng Fundamentals (ENR 2173, ENR 2413)	ENR 3903[4] Eng. Project Mgmt. (ENR 1103)	ENR 4102[4] Capstone Design I	ENR 4103[4] Capstone Design II	Open Elective[2] 3 credits
			ENR 2503[2] Industrial Engineering Concepts (ENR 1103)	ENR 2354 Circuits and Systems (ENR 1123, MAT 205, PHY 244)	ENR 3113[2] Measurement & Control (MAT 313, MAT 343)	ENR 3433[2] Thermo-dynamics & Fluid Systems (co: MAT 313)	ENR 3703[2] Chem Eng Fundamentals (CHE 114)	Open Elective[2] 3 credits
					ENR 3604[2] Agricultural Eng. Fund. (CHE 114, rec: ENG103)	ENR 3413[2] Material & Processes (CHE 114, ENR 2413)	Engineering Elective[2] 3 credits 3xxx or 4xxx (not ENR 48V)	Technical Elective[2] 3 cr of 3xx or 4xx ENR (not 48V), MAT, CSC, or science
MAT 153 Trigonometry	MAT 175 Calculus I	MAT 205 Calculus II	MAT 305 Calculus III	MAT 343 Probability & Statistics	ENR 3513[2] Lean & 6σ Concepts (ENR 2503)	ENR 4001 Eng Seminar		(15 Credits) Concentration additional requirements: ENR 48V Internship plus four 3-credit science or engineering courses, two of which are 400-level or greater, two are engineering.
CHE 114 Chemistry I		PHY 234 Physics I: Calc-based	PHY 244 Physics II: Calc-based	MAT 313 Diff Equations (MAT 205)		Engineering Elective[2] 3 credits 3xxx or 4xxx (not ENR 48V)	ENR 3183[2] Dynamics (ENR 2173, co:MAT 313)	
SPC 103 Public Speaking	PAT 103 Patriotic Education I	PED 121/101 Swimming/ Life Wellness	HTY 153 / 163 Western Civ I / II	ENG 163 Readings West Civ	Social Science Elective[1]	HTY 253 American Experience	BTS 4003 Christian Worldview II	2nd Fine Art[1]
CC 10V Base Camp	ENG 103 College Composition	ENG 253 American Rhetoric						
BTS 103 Christian Worldview I	Fine Art Exploration[1]							
17/17	17/34	16/50	18/68	16/84	15/99	15/114	16/130	12/142

1. See Catalog for specific requirements
2. Course may be taken in other semesters than those shown (see catalog for semesters offered)
3. A C- or better is required for all engineering, math and science course prerequisites
4. ENR 3903, 4102, and 4103 should be taken in sequential semesters

course w/lab component

minimum of "C" required

CourseFlow_Trig_9semester_24-25Catalog_2024-03-05.vsdx