



NCEES

Examination: Fundamentals of Engineering (FE)
Report title: Subject Matter Report by Major and Examination
Exams administered: Jul 01—Dec 31, 2020
Examinees included: First-Time Examinees from EAC/ABET-Accredited Engineering Programs
Graduation Date: Examinees testing more than 12 months after graduation date

Name of Institution:	University of Kentucky, Paducah		
Major:	Mechanical	FE Examination:	Mechanical

	Institution	ABET Comparator ²
No. Examinees Taking ¹	1	999
No. Examinees Passing	0	740
Percent Examinees Passing	0%	74%

Uncertainty Range for Scaled Score ⁴ ± 1.00
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	Number of Exam Questions	Institution Average Performance Index ³	ABET Comparator Average Performance Index	ABET Comparator Standard Deviation	Ratio Score ⁴	Scaled Score ⁴
Mathematics	6	8.6	10.0	2.9	0.86	-0.48
Probability and Statistics	4	8.0	9.6	3.3	0.83	-0.48
Ethics and Professional Practice	4	15.0	11.1	3.6	1.35	1.08
Engineering Economics	4	9.1	10.4	3.5	0.88	-0.37
Electricity and Magnetism	5	9.1	9.9	3.0	0.92	-0.27
Statics	9	10.1	9.6	2.3	1.05	0.22
Dynamics, Kinematics, and Vibrations	10	7.6	9.5	2.1	0.80	-0.90
Mechanics of Materials	9	8.4	9.3	2.0	0.90	-0.45
Material Properties and Processing	7	8.7	9.3	2.5	0.94	-0.24
Fluid Mechanics	10	6.8	9.3	2.2	0.73	-1.14
Thermodynamics	10	7.8	9.3	2.0	0.84	-0.75
Heat Transfer	7	7.5	9.6	2.8	0.78	-0.75
Measurements, Instrumentation, and Controls	5	0.0	8.8	3.2	0.00	-2.75
Mechanical Design and Analysis	10	5.5	9.1	2.5	0.60	-1.44

- 0 examinees have been removed from this data because they were flagged as a random guesser.
- Comparator includes all examinees from programs accredited by the ABET commission noted.
- Performance index is based on a 0–15 scale.
- These scores are made available for assessment purposes. See the NCEES publication entitled Using the FE as an Outcomes Assessment Tool at <https://ncees.org/education/outcomes-assessment/>.

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