

Examination: Fundamentals of Engineering (FE)
Report title: Subject Matter Report by Major and Examination
Exams administered: Jul 01—Nov 30, 2014
Examinees included: First-Time Examinees from EAC/ABET-Accredited Engineering Programs
Graduation Date: Examinees Testing within 12 months of Graduation Date

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

	Institution	ABET Comparator ²
No. Examinees Taking ¹	1	434
No. Examinees Passing	0	337
Percent Examinees Passing	0%	78%

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	8	7.6	10.9	3.0	0.70	-1.10
Probability and Statistics	4	7.5	10.7	3.4	0.70	-0.94
Engineering Sciences	4	8.1	10.7	3.6	0.76	-0.72
Computational Tools	4	9.6	10.4	3.4	0.92	-0.24
Materials Science	4	8.3	10.6	3.1	0.78	-0.74
Chemistry	8	7.2	10.2	2.8	0.71	-1.07
Fluid Mechanics/Dynamics	8	8.0	9.8	1.9	0.82	-0.95
Thermodynamics	8	8.4	9.3	2.0	0.90	-0.45
Material/Energy Balances	8	7.8	9.1	2.2	0.86	-0.59
Heat Transfer	8	8.9	9.9	2.3	0.90	-0.43
Mass Transfer and Separation	8	6.5	9.3	2.1	0.70	-1.33
Chemical Reaction Engineering	8	8.2	9.3	2.2	0.88	-0.50
Process Design and Economics	8	9.9	9.1	2.7	1.09	0.30
Process Control	5	15.0	9.1	3.0	1.65	1.97
Safety, Health and Environment	5	8.8	8.7	3.3	1.01	0.03
Ethics and Professional Practice	2	15.0	10.7	5.6	1.40	0.77

- 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 <http://ncees.org/licensure/educator-resources/>.

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