

Examination: Fundamentals of Engineering (FE)
Report title: Subject Matter Report by Major and Examination
Exams administered: Jan 01—May 31, 2014
Examinees included: First-Time Examinees from EAC/ABET-Accredited Engineering Programs
Graduation Date: Examinees Testing within 9 months of Graduation Date

Name of Institution:		EXAMPLE	
Major:	Mechanical	FE Examination:	Mechanical

	Institution	ABET Comparator 2
No. Examinees Taking ¹	22	2,316
No. Examinees Passing	19	1,976
Percent Examinees Passing	86%	85%

Uncertainty Range for Scaled Score ⁴ ± 0.21
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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	10.6	10.8	3.1	0.98	-0.06
Probability and Statistics	5	11.9	10.6	3.3	1.12	0.39
Computational Tools	3	12.0	11.3	4.1	1.06	0.17
Ethics and Professional Practice	3	11.4	12.0	3.8	0.95	-0.16
Engineering Economics	3	9.8	10.5	4.2	0.93	-0.17
Electricity and Magnetism	3	11.1	11.1	3.8	1.00	0.00
Statics	9	9.9	10.2	2.6	0.97	-0.12
Dynamics, Kinematics, and Vibrations	9	10.1	10.0	2.1	1.01	0.05
Mechanics of Materials	11	9.4	9.8	2.2	0.96	-0.18
Material Properties and Processing	8	10.0	10.1	2.3	0.99	-0.04
Fluid Mechanics	9	9.9	10.1	2.1	0.98	-0.10
Thermodynamics	14	9.7	9.6	1.6	1.01	0.06
Heat Transfer	11	9.7	9.9	2.1	0.98	-0.10
Measurement, Instrumentation, and Controls	6	9.9	9.3	3.4	1.06	0.18
Mechanical Design and Analysis	10	8.3	8.9	2.5	0.93	-0.24

- 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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