

Examination: Fundamentals of Engineering (FE)
Report title: Subject Matter Report by Major and Examination
Exams administered: Jun 01—Nov 30, 2015
Examinees included: First-Time Examinees from EAC/ABET-Accredited Engineering Programs
Graduation Date: Examinees Testing within 12 months of Graduation Date

Name of Institution:		EXAMPLE	
Major:	Electrical	FE Examination:	Electrical and Computer

	Institution	ABET Comparator ²
No. Examinees Taking ¹	15	727
No. Examinees Passing	13	546
Percent Examinees Passing	87%	75%

Uncertainty Range for Scaled Score ⁴ ± 0.26
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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	11	10.5	10.0	2.3	1.05	0.22
Probability and Statistics	4	10.9	10.1	3.5	1.08	0.23
Ethics and Professional Practice	3	13.6	11.7	3.8	1.16	0.50
Engineering Economics	3	9.8	9.4	4.2	1.04	0.10
Properties of Electrical Materials	4	11.1	9.6	3.3	1.16	0.45
Engineering Sciences	6	10.9	10.4	3.2	1.05	0.16
Circuit Analysis (DC and AC Steady State)	10	9.3	9.6	2.2	0.97	-0.14
Linear Systems	5	10.2	9.4	2.9	1.09	0.28
Signal Processing	5	10.2	9.2	3.0	1.11	0.33
Electronics	7	9.1	9.4	2.2	0.97	-0.14
Power	8	9.7	9.4	2.3	1.03	0.13
Electromagnetics	5	10.1	9.6	2.8	1.05	0.18
Control Systems	6	9.0	9.4	2.2	0.96	-0.18
Communications	5	8.2	9.1	2.5	0.90	-0.36
Computer Networks	3	10.1	9.7	3.8	1.04	0.11
Digital Systems	7	9.2	9.2	2.8	1.00	0.00
Computer Systems	4	9.3	8.7	3.8	1.07	0.16
Software Development	4	10.3	10.8	4.0	0.95	-0.13

- 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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