




NCEES provides all examinees who do not pass with a diagnostic report to help them identify the knowledge areas in which they need to improve before retaking the exam. The purpose of this report is to provide general information on the performance of the examinee; it is not designed to be used for any other purpose.

The report shows the knowledge area, along with the number of items in each knowledge area and the examinee's performance in terms of a scaled score from 0–15. The report also provides information showing the examinee's relative performance in each knowledge area compared to the average performance of the passing examinees. The performance comparison chart is not shown to scale and simply indicates the relative performance to assist the examinee in preparing to retake the exam.

Please see the sample diagnostic report for the FE Electrical and Computer exam on the following pages. In reviewing the report, here is how the examinee should interpret the results. (Colors show are for illustrative purposes only. Actual reports are grayscale.)

-  Mathematics, Probability and Statistics, Power, and Computer Networks: My performance in these areas ranged from 7.4–8.2, but they were consistently lower than the average score of the passing examinees. There is definite room for improvement in these areas.
-  Ethics and Professional Practice, Properties of Electrical Materials, Engineering Sciences, and Electromagnetics: My performance in these areas ranged from 5.3–8.2, but I am significantly lower than the average score of the passing examinees. These are areas where I need to focus prior to retaking the exam.
-  My performance in Engineering Economics, Circuit Analysis, Linear Systems, Signal Processing, Electronics, Control Systems, Communications, Digital Systems, Computer Systems, and Software Development ranged from 8.1–15 and were all very close to the average performance of passing examinees—some a little lower and some higher. I should review these areas prior to retaking the exam to try to improve, but there are other areas that need more of my focus.

My study priorities before retaking the exam need to be as follows:

1. Mathematics, Probability and Statistics, Power, and Computer Networks—very strong focus. Even though my performance was closer to the passing examinees than the green topics, there are 26 questions in these areas versus 18 in the blue topics, therefore giving me more opportunity to improve.
2. Ethics and Professional Practice, Properties of Electrical Materials, Engineering Sciences, and Electromagnetics—strong focus
3. Engineering Economics, Circuit Analysis, Linear Systems, Signal Processing, Electronics, Control Systems, Communications, Digital Systems, Computer Systems, and Software Development—general review

For more information on the knowledge areas included in each of the FE and FS exams, download exam specifications at ncees.org/exams.