

Information to Assist with Studying for the HESI Exam

This information sheet is my attempt to assist Nursing and Surgical Tech students in passing the HESI Entrance Exam required for entry into those programs at TCAT Crossville. This is not a guide developed by TCAT or El Sevier. Please note that of the 10 HESI subject tests available, TCAT Crossville only requires potential students to take the Math and Reading Comprehension. The passing score for Reading and Math is a 70 in each subject. Below is information that I have gathered after researching it myself, contacting health care professionals and from listening to students who have taken the test and what they say would have helped them to study.

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For most students, Math is the biggest challenge. Please note that I have gathered this information from suggested nurse's math websites and from student comments. Each test draws from a huge database of questions that are different for every student. You could have questions on all the kinds of math subjects below or only a few of them. Following are the kinds of math that students and various educational websites say are covered by Allied Health HESI entry exams:

- **Light algebra**
- **Convert from one system of measure to another using the metric, apothecary and household measurement system - example: gm to mg, mg to mcg, liters to quarts, ounces to pints, grams to ounces to pounds, cc to tbsp., etc. (try googling nurse's math and Systems of Measurement and Approximate Equivalents)**
- **Convert decimal to fraction**
- **Convert decimal to ratio**
- **Convert decimals to percent.**
- **Convert percent to decimals.**
- **Add, subtract, multiply and divide whole numbers.**
- **Add, subtract, multiply and divide fractions.**
- **Add, subtract, multiply and divide decimals.**
- **Set up and solve ratio and proportion problems.**
- **Convert fraction to decimal**
- **Rounding off decimals**
- **Improper and mixed fractions**
- **Military time**
- **Probability expressed as a percent**
- **Ratios and Proportions**
- **Ratio multiplication and subtraction**
- **Solve the equation**
- **Word-fraction vs. decimal**
- **Metric system**
- **Roman Numerals**

More information on the next page.....

- For help with prepping for the HESI, try googling “HESI test prep help”. Several students have told me that testguide.com has really good free practice tests and there are a couple of other good sites also, go to: <https://www.test-guide.com/free-hesi-a2-practice-tests.html>
<https://www.testprepreview.com/hesia2.htm>
<http://www.learningexpresshub.com/productengine/LELIndex.html#/career-center/resources/prepare-for-anentrance-exam/prepare-for-allied-health-programs-entrance-tests/health-occupations-practice-entrance-tests>
- If you need practice in Reading Comprehension, good sites are:
<http://www.englishmaven.org/Pages/Reading%20Comprehension.htm>
<http://www.educationcorner.com/reading-comprehension.html>
- If you need help with Math, go to: (You can also Google “nurse’s math help” and all kinds of resources will pop up or go to YOUTUBE and view a tutorial on the area in which you need help)
<http://www.math.com/> <https://www.khanacademy.org/> <http://www.coolmath.com/prealgebra/02-decimals> <https://www.mathsisfun.com/>

If you have questions, please email me at kara.vanhoy@tcatcrossville.edu

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