



ELSEVIER

HESI Admission Assessment Exam

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# HESI Admission Assessment (A<sup>2</sup>) Faculty Scoring Guide



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## FACULTY SCORING GUIDE

### Anatomy and Physiology (A&P)

30-item exam. Depending on whether or not A&P is a prerequisite for your curriculum, you may or may not have students complete this quick assessment of A&P knowledge. Provides coverage of general terminology and anatomical structures and systems. **Recommended Time: 25 minutes.**

### Biology

30-item exam. Depending on whether or not Biology is a prerequisite for your curriculum, you may or may not have students complete this quick assessment of Biology knowledge. Covers biology basics, water, biological molecules, metabolism, cells, cellular respiration, and photosynthesis **Recommended Time: 25 minutes.**

### Chemistry

30-item exam. Depending on whether or not Chemistry is a prerequisite for your curriculum, you may or may not have students complete this quick assessment of chemistry knowledge. Contains test items that cover matter, chemical equations and reactions, the periodic table, atomic structure, nuclear chemistry, and chemical bonding. **Recommended Time: 25 minutes.**

### Grammar

55-item exam. Contains basic grammar, including: parts of speech, important terms and their uses in grammar, and commonly occurring grammatical errors. **Recommended Time: 50 minutes.**

### Math

55-item exam. Focuses on math skills needed for health care fields, including basic addition, subtraction, multiplication, fractions, decimals, ratio and proportion, household measures, and general math facts that are useful, for example, when calculating drug dosages and solutions. **Recommended Time: 50 minutes.**

### Reading Comprehension

55-item exam. Reading scenarios that are not health related. Provides reading scenarios in order to measure reading comprehension, including: identifying the main idea, finding meaning of words in context, passage comprehension, making logical inferences, etc. The reading scenarios pop up on the screen. Students can move around the windows to see the entire scenario. **Recommended Time: 60 minutes.**

### Vocabulary and General Knowledge

55-item exam. Contains basic vocabulary that is often used in health care fields. **Recommended Time: 50 minutes.**

## A2 LEARNING STYLE/PERSONALITY PROFILE:

### Learning Styles

14-item assessment of preferred learning style. **Recommended Time: 15 minutes.**

### Personality Style

15-item assessment of personality related to preferred learning style. Students receive a printout with study tips based on their learning style and personality profile. **Recommended Time: 15 minutes.**

## INSTRUCTOR'S SCORING GUIDE

### ANATOMY AND PHYSIOLOGY SCORING SUMMARY

**Description:** Anatomy and Physiology assessment indicates basic knowledge of anatomy and physiology at a lower division college level, typical of most nursing or health professions program prerequisite requirements.

SCORE	SCORE DESCRIPTION
<b>Excellent</b> 90% to 100%	Students with these scores have a comprehensive knowledge base of anatomy and physiology which provides an excellent science preparation for success in nursing or health professions school
<b>Very Good</b> 80% to 89%	Students with these scores should be well prepared to enter nursing or health professions school.
<b>Satisfactory</b> 75% to 79% (RN applicants) 70% to 79% (PN applicants) 75% to 79% (HP applicants)	Students at this level have adequate knowledge of anatomy and physiology, but may need outside tutoring when learning about pathophysiological conditions.
<b>Needs Improvement</b> 74% or Below (RN applicants) 69% or Below (PN applicants) 74% or Below (HP applicants)	Enrollment in anatomy and physiology remediation or re-take the anatomy and physiology prerequisite prior to entering nursing or health professions school is likely to be required in order to be successful in a nursing or health professions program.

### BIOLOGY SCORING SUMMARY

**Description:** Biology assessment indicates basic knowledge of biology at a lower division college level, typical of most nursing or health professions program prerequisite requirements.

SCORE	SCORE DESCRIPTION
<b>Excellent</b> 90% to 100%	Students with these scores have a comprehensive knowledge base of biology which provides an excellent science preparation for success in nursing or health professions school.
<b>Very Good</b> 80% to 89%	Students with these scores should be well prepared to enter nursing or health professions school.
<b>Satisfactory</b> 75% to 79% (RN applicants) 70% to 79% (PN applicants) 75% to 79% (HP applicants)	Students at this level have adequate knowledge of biology, but may need outside tutoring when learning about pathophysiological conditions.
<b>Needs Improvement</b> 74% or Below (RN applicants) 69% or Below (PN applicants) 74% or Below (HP applicants)	Enrollment in biology remediation or re-take the biology prerequisite prior to entering nursing school is likely to be required in order to be successful in a nursing or health professions program.

### CHEMISTRY SCORING SUMMARY

**Description:** Chemistry assessment indicates basic knowledge of chemistry at a lower division college level, typical of most nursing or health professions program prerequisite requirements.

SCORE	SCORE DESCRIPTION
<b>Excellent</b> 90% to 100%	Students with these scores have a comprehensive knowledge base of chemistry which provides an excellent science preparation for success in nursing or health professions school.
<b>Very Good</b> 80% to 89%	Students with these scores should be well prepared to enter nursing or health professions school.
<b>Satisfactory</b> 75% to 79% (RN applicants) 70% to 79% (PN applicants) 75% to 79% (HP applicants)	Students at this level have adequate knowledge of chemistry, but may need outside tutoring when learning about pathophysiological conditions.
<b>Needs Improvement</b> 74% or Below (RN applicants) 69% or Below (PN applicants) 74% or Below (HP applicants)	Enrollment in chemistry remediation or re-take the chemistry prerequisite prior to entering nursing school is likely to be required in order to be successful in a nursing or health professions program.

### GRAMMAR SCORING SUMMARY

**Description:** Grammar assessment indicates basic grammar skills at an eighth to ninth grade reading level.

SCORE	SCORE DESCRIPTION
<b>Excellent</b> 90% to 100%	Students should be able to complete written assignments with no difficulty in terms of writing grammatically correct assignments. Should be able to read and comprehend most nursing or health professions textbooks.
<b>Very Good</b> 80% to 89%	Students should be able to complete written assignments in terms of writing grammatically correct assignments. However, written assignments may need to be reviewed by a knowledgeable person prior to submitting them for grading.
<b>Satisfactory</b> 75% to 79% (RN applicants) 70% to 79% (PN applicants) 75% to 79% (HP applicants)	Students will have difficulty with grammar when completing written assignments and when speaking to clients, teachers, etc. Obtaining outside assistance in English/Grammar will probably be helpful.
<b>Needs Improvement</b> 74% or Below (RN applicants) 69% or Below (PN applicants) 74% or Below (HP applicants)	Enrolling in an English/Grammar remediation program prior to entering nursing school is likely to be required in order to be successful in a nursing or health professions program.

### MATH SCORING SUMMARY

**Description:** Math assessment indicates a student's basic math skills at the eighth and ninth grade level.

SCORE	SCORE DESCRIPTION
<b>Excellent</b> 90% and Above	Students should be able to calculate all levels of medication administration problems.
<b>Very Good</b> 80% to 89%	Students should be able to calculate basic medication administration problems, and should seek some additional assistance to increase their math skills in order to be successful in calculating higher level calculations.
<b>Satisfactory</b> 75% to 79% (RN applicants) 70% to 79% (PN applicants) 75% to 79% (HP applicants)	Students will require varying degrees of assistance to be successful with medication calculations.
<b>Needs Improvement</b> 74% or Below (RN applicants) 69% or Below (PN applicants) 74% or Below (HP applicants)	Students should seek additional assistance in a formalized math remediation program, either prior to entering a nursing or health professions program or in conjunction with beginning level courses.

### READING COMPREHENSION SCORING SUMMARY

**Description:** Reading comprehension assessment indicates basic reading and comprehension skills at the eighth to ninth grade reading level.

SCORE	SCORE DESCRIPTION
<b>Excellent</b> 90% to 100%	Students should be able to read and comprehend nursing or health professions textbook content.
<b>Very Good</b> 80% to 89%	Students should be successful in understanding most nursing textbook or health professions content though they may need to re-read more difficult material in order to grasp the full meaning of the material.
<b>Satisfactory</b> 75% to 79% (RN applicants) 70% to 79% (PN applicants) 75% to 79% (HP applicants)	Students will have difficulty keeping up with the heavy reading assignments necessary for successful completion of a nursing or health professions program.
<b>Needs Improvement</b> 74% or Below (RN applicants) 69% or Below (PN applicants) 74% or Below (HP applicants)	Students should seek additional assistance in a formalized remediation program prior to entering the nursing or health professions program.

### VOCABULARY AND GENERAL KNOWLEDGE SCORING SUMMARY

**Description:** Vocabulary is viewed by some authors as the best measure of adult IQ. These questions are designed to assess vocabulary skills, general knowledge, and critical thinking skills as a means of determining the candidate's ability to succeed in a nursing or health professions education program.

SCORE	SCORE DESCRIPTION
<b>Excellent</b> 90% to 100%	A well-read individual whose vocabulary skills are at the tenth to the eleventh grade level. These students should be successful in reading and understanding nursing or health professions textbooks.
<b>Very Good</b> 80% to 89%	These students can be successful in a nursing or health professions school but will need to carefully re-read those areas they do not understand and look up words they do not know the meaning of in an effort to increase their vocabulary skills.
<b>Satisfactory</b> 75% to 79% (RN applicants) 70% to 79% (PN applicants) 75% to 79% (HP applicants)	Keeping up with reading assignments may be more arduous for those students scoring at this level and additional tutoring may be indicated.
<b>Needs Improvement</b> 74% or Below (RN applicants) 69% or Below (PN applicants) 74% or Below (HP applicants)	Students should seek additional assistance in a formalized reading and vocabulary enhancement program prior to entering the nursing or health professions program or in conjunction with beginning level courses.

**PHYSICS SCORING SUMMARY**

**Description:** Physics assessment indicates basic knowledge of physics at a lower division college level, typical of imaging sciences and other health professions program prerequisite requirements.

SCORE	SCORE DESCRIPTION
<b>Excellent</b> 90% and Above	Students with these scores have a comprehensive knowledge base of physics which provides an excellent science preparation for success in image sciences and other health professions school.
<b>Very Good</b> 80% to 89%	Students with these scores should be well prepared to enter image sciences and other health professions school.
<b>Satisfactory</b> 75% to 79% (HP applicants)	Students at this level have adequate knowledge of physics, but may need outside tutoring.
<b>Needs Improvement</b> 74% or Below (HP applicants)	Enrollment in physics remediation or re-take the physics prerequisite prior to entering an imaging sciences or other health professions school is likely to be required in order to be successful in an image sciences or other health professions program.