The A & P Placement Test is a rigorous and difficult 100 question multiple-choice exam containing these topics:

- cell structure and function
- structure and function of macromolecules
- cell transport and membrane function
- graphs/basic math (metric conversions/dimensional analysis/algebra)
- general chemical principles
- water, acids, bases, and pH
- DNA/RNA structure and function
- cellular respiration
- mitosis
- organization within the human body
- homeostasis
- energy, enzymes & metabolism
- protein synthesis-transcription/translation

In order to be placed in BIO 103 (Anatomy & Physiology I) you must have four prerequisites met.

1. Score at least a 65% on the A & P Placement Test
2. Have a high school chemistry or college equivalent on your transcript
3. Pass MAT 099 or place into MAT 100
4. Pass ENG 099 or place into ENG 100

There is NOT a transferable science credit to be placed into BIO-103. You must score a 65% on the A & P Placement Test.

Everyone is given 2 chances to score a 65% on the test. If you fail twice you must take BIO 099, BIO 101, BIO 109, or CHM 101. After completing one of these courses, you may take the test 2 additional times. This test is the final exam for BIO 099 and BIO 109. **YOU STILL MUST PASS THE A & P PLACEMENT TEST AFTER TAKING ANY OF THESE COURSES.**

You are encouraged to stop in the Learning Support Center, which is located between the STEM building, and the Student Center next to Kepler Theater. You may call 240-500-2251 and ask for Clayton or Chris for questions about the A & P Placement Test. If you are struggling on a particular topic we can help remediate you on that topic. **There are modules, powerpoints, and textbooks available to you in LSC-100. There are also 3 practice exams and an outline available online.** If you have not had a biology or chemistry course recently you would find it useful taking a preparatory class. You may consider taking BIO 099, BIO 109, or CHM 101. See Fine Print.doc for options and explanations of these classes.