

Troy High School Course Profile

Course Title: Cambridge Advanced Biology AS Level

Course Prerequisites: Placement based on scores earned on the Troy Tech/IB/Honors exam

Course Description: Cambridge International AS includes the first set of main theoretical concepts which are fundamental to the subject of biology, some current applications of biology, and a strong emphasis on advanced practical skills.

The emphasis throughout is on the understanding of concepts and the application of biology ideas in novel contexts as well as on the acquisition of knowledge. The course encourages creative thinking and problem-solving skills which are transferable to any future career path. Cambridge International AS is ideal for learners who want to study biology or a wide variety of related subjects at university or to follow a career in science.

Students entering this course should already have a mastery of the following concepts and possess the following skills:

- High reading comprehension
- Dedicated to completing and understanding assignments
- Focused attention span of 20 minutes
- Have a strong grasp of junior high life science curriculum

Workload expectations for this course:

- Reading text and Cornell style note taking 3-4 days a week
- Homework 30-45 minutes nightly
- Intense study skills that may be time consuming
- Ability to analyze and apply knowledge during labs
- Exams include both multiple choice and essays

