



## Annual Report on Program Learning Outcomes Assessment

**Program:** BS in Biology

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### 1. List the learning outcomes for the program:

- The goal of the Biology Department at Boston University is to train students at the highest level in one of three broad sub-fields within modern Biology. Upon completion of the B.S. degree, students should be thoroughly prepared for post-graduate training and to eventually assume teaching and/or research positions in academia or industry.
- Students should be able to describe the scientific method such that they are ready to apply it should they continue on in postgraduate work in biology.
- Students should achieve a broad exposure to each of the major disciplines in biology and related sciences.
- Students should be able to use commonly available search engines such as PubMed to search the literature for scientific publications required for homework assignments, term papers, or research projects. Students should also be able to read and interpret this literature, with a developing ability to critically assess the significance and validity of published papers in peer-reviewed journals.
- Students should gain technical skills that prepare them for employment after graduation in biologically-related professions, including post-graduate education.
- Students should be able appreciate and defend the significance of the quote “Nothing in biology makes sense except in the light of evolution.”