

1. be able to describe the basic molecular concepts essential for understanding the field of biotechnology and the applications of biotechnology.

Courses that address this learning goal:

- a) *Concepts and Issues in Biotechnology (11:126:110)*
- b) *Molecular Genetics (11:126:481)*
- c) *Molecular Genetics Lab (11:126:482)*
- d) *Nucleotide Sequence Analysis (11:126:383)*
- e) *Methods and Applications on Molecular Biology (11:126:427)*

Elective courses that may contribute:

- f) *Tools for Bioinformatic Analysis (11:126:484)*
- g) *Bioinformatics (11:126:485)*
- h) *Plant Molecular Biology (11:126:413)*
- i) *Comparative Virology (11:126:407)*
- j) *Advanced Techniques in Bioscience (11:126:444)*
- k) *Molecular Delivery Applications in Biotechnology (11:126:434)*
- l) *Process Biotechnology (11:126:410)*