

# Biotechnology, AS

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## AS Biotechnology Program Learning Outcomes

At the successful completion of this program, students will be able to:

1. Outline the foundational concepts of biotechnology including the central dogma of molecular biology, bioethics, industry and careers in biotechnology.
2. Apply laboratory techniques in DNA methods, cell culture, protein purification, protein analysis, advanced nucleic acid technologies and microbial culture.
3. Analyze scientific data and interpret results.
4. Integrate knowledge of biology in oral and written assignment.
5. Apply critical thinking to assess existing and emergent biotechnology techniques, protocols and discoveries.