

# Introduction to Biomedical Science

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Our lecturers have put together the following information to help you prepare for your course. This will give you a snapshot of the materials and reading list you'll be using. You'll get a full breakdown of information before you enrol.

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- Structure and function of cells,
- Introduction to Genetics
- Introduction to Microbiology
- Human anatomy and physiology,
- Basic molecular biology laboratory techniques.
- Biological problem-solving skills and critical thinking.

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1. Describe the structure and function of the organelles of the cell.
2. How is energy produced in the cell?
3. What are genes?
4. How is the genetic information translated to different proteins?
5. What are the most common bacteria and viruses?
6. How do bacteria and viruses affect human health?
7. How is the human body organised?
8. How does the human body functions?
9. How and why do we get sick?
10. How do we safely work in a biomedical lab?
11. What are the main laboratory techniques used in biology and medicine?
12. How do we organise and interpret biological information?
13. Describe the structure and function of nucleic acids and how they contribute to the life of a cell.
14. Describe the process of eukaryotic cell division.
15. Describe the life cycle of bacteria.
16. Describe the structure and life cycle of viruses.

Explore Brunel at our open days.