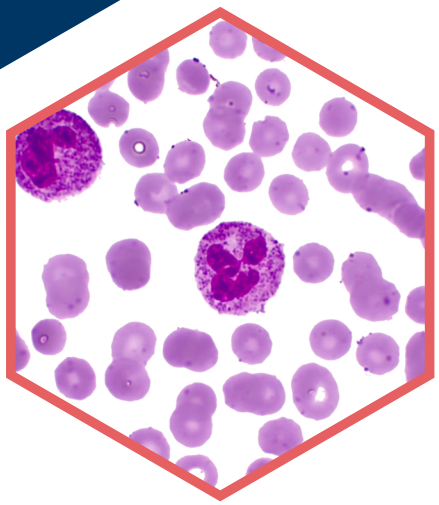
BLOOD SCIENCES DIGITAL SPECIALIST PORTFOLIO MODULES



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Blood Sciences Portfolio

The Blood Sciences specialist portfolio comprises of modules from the Clinical Biochemistry, Haematology and Blood Transfusion Practice (revised blood transfusion modules), and Clinical Immunology portfolios. Modules from at least two disciplines must be selected, and although haematology and blood transfusion are two separate disciplines, for the purpose of the Blood Sciences portfolio, modules from Haematology and Blood Transfusion Practice alone can't be selected.

The minimum number of modules required is 50% of the total number of modules from the selected disciplines, and a minimum of 25% of modules should be selected from each discipline. The remaining modules required to meet the minimum can be selected from one or more of the disciplines chosen. Details on the combinations and minimum numbers can be seen in appendix 1.

The application form will identify and add co-requisite modules and inform the applicant when minimum module numbers are reached.

Individuals wishing to select additional optional modules from the Genomics and Molecular Pathology portfolio and the Andrology portfolio can do so using the application form.

It should be noted that for all modules selected, the module must be practically completed to a competent level as part of the candidates training plan.

The modules which can be selected have corequisite modules, i.e. modules that need to be completed together. These modules can be seen in the tables below.

All specialist portfolios include the quality module.

N.B. Individuals wishing to select Blood Transfusion Practice as part of the multi-discipline portfolio must complete all the modules in the Blood Transfusion Practice table.

Clinical Biochemistry Corequisite Modules

Module	Corequisites
1. Biochemistry Techniques	Module 2
2. Automation and Laboratory Practice	Module 1
3. Fluid and Electrolyte Disorders	Modules 1, 2, 4
4. The Kidney in Health and Disease	Modules 1, 2, 3
5. Liver Function and Associated Disease States	Modules 1, 2
6. Lipids, Lipoproteins and Lipid Metabolism	Modules 1, 2
7. Calcium, Magnesium, Phosphate and Bone Markers	Modules 1, 2
8. Diabetes and Hypoglycaemia	Modules 1, 2
9. Acid-Base and Bicarbonate Balance	Modules 1, 2
10. Cardiac Biomarkers	Modules 1, 2
11. Specific Proteins	Modules 1, 2
12 Cancer Biochemistry and Tumour Markers	Modules 1, 2
13. Gastrointestinal Disorders and Malabsorption	Modules 1, 2
14. Reproductive Endocrinology	Modules 1, 2
15. Pregnancy Biochemistry	Modules 1, 2
16. Inherited Metabolic Disorders and Newborn Screening	Modules 1, 2
17. Biochemical Nutrition	Modules 1, 2
18. Investigation of Thyroid Disease	Modules 1, 2
19. Abnormal Pituitary Function	Modules 1, 2
20. Investigation of Adrenal Disease	Modules 1, 2
21. Therapeutic Drug Monitoring	Modules 1, 2
22. Toxicology	Modules 1, 2

Haematology & Blood Transfusion Practice Co-Requisites

Module	Co-requisites Modules
1. Diagnostic Haematology	None
2. Peripheral Blood Film Morphology	Module 1
3. Blood Borne Parasites- Malarial and Non-Malarial Infestations	Modules 1, 2
4. Routine Haemostasis	Modules 1, 2
5. Haemostasis Abnormalities	Modules 1, 2, 4
6. Classification of Haematological Malignancies	Modules 1, 2, 7
7. Investigation and Diagnosis of Haematological Malignancies	Modules 1, 2, 6
8. Iron Deficiency Anaemia and Iron Overload	Modules 1, 2
9. B12 and Folate Deficiency and Anaemia of Chronic Disease	Modules 1, 2
10. Haemoglobinopathy	Modules 1, 2
11. Inherited and Acquired Haemolytic Anaemia	Modules 1, 2

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Blood Transfusion Practice (Blood Sciences)

Module
BS Good Manufacturing Practice (GMP) awareness and inventory management
BS Appropriate Use and Release of Components and Products
BS Antenatal Screening and Haemolytic Disease of the Fetus and Newborn
BS Donor Testing and Selection of Components and Products for Patients
BS ABO and D Typing
BS Antibody Screening and Identification
BS ABO and D Anomalies and Samples Requiring Further Investigation
BS Red Cell Phenotyping
BS Compatibility Testing and Transfusion Reactions

Clinical Immunology Corequisite Modules

Module	Corequisites
1. Immunological Techniques	Module 1
2. Connective Tissue Disease	Module 1
3. Antiphospholipid Syndrome	Module 1
4. Rheumatoid Arthritis	Module 1
5. Coeliac Disease	Module 1
6. Autoimmune Liver Disease	Module 1
7. Pernicious Anaemia	Module 1
8. Renal Disease	Module 1
9. Neurological Disease	Module 1
10. Organ Specific Autoimmunity	Module 1
11. Myeloma and Associated Conditions	Module 1
12. Disorders of Immunoglobulin levels	Module 1
13. Complement Deficiency	Module 1
14. Cellular Immunodeficiency	Module 1
15. Allergy and Anaphylaxis	Module 1

Appendix 1

Portfolio Disciplines Selected	Minimum number of Total Modules Required	Minimum Modules Required per Discipline
Clinical Biochemistry + Haematology	17	6 Biochemistry + 3 Haematology
Clinical Biochemistry + Immunology	19	6 Biochemistry + 4 Immunology
Clinical Biochemistry + Blood Transfusion Practice	20	6 Biochemistry + 9 Blood Transfusion
Clinical Biochemistry + Haematology + Blood Transfusion Practice	26	6 Biochemistry + 3 Haematology + 9 Blood Transfusion
Clinical Biochemistry + Immunology + Blood Transfusion Practice	28	6 Biochemistry + 4 Immunology + 9 Blood Transfusion
Clinical Biochemistry + Immunology + Haematology	24	6 Biochemistry + 4 Immunology + 3 Haematology
Immunology + Haematology	13	4 Immunology + 3 Haematology
Immunology + Blood Transfusion Practice	17	4 Immunology + 9 Blood Transfusion
Immunology + Haematology + Blood Transfusion Practice	22	4 Immunology + 3 Haematology + 9 Blood Transfusion
Immunology + Haematology + Blood Transfusion Practice + Clinical Biochemistry	34	4 Immunology + 3 Haematology + 9 Blood Transfusion + 6 Biochemistry

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