Pathology is part of our curriculum that includes a module within the Principles of Biomedical Sciences course and integrated content in other courses over the program.

### Year One Term One:
**Principles of Biomedical Sciences: Pathology**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Module Title</th>
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<tbody>
<tr>
<td>Introduction to Pathology</td>
<td>Oncology: Neoplasms</td>
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<tr>
<td>Cellular Injury/Death/Adaptation</td>
<td>Atherosclerosis and Amyloidosis</td>
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<tr>
<td>Laboratory Investigations/Interpretation</td>
<td>Neoplasia I-III &amp; Introduction to Oncology</td>
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<tr>
<td>Inflammation I &amp; II (Tissue Repair)</td>
<td>Cancer Epidemiology &amp; Applied Pathology Clinical Cases</td>
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<tr>
<td>Integrative Medicine Oxidative Stress</td>
<td>Integrative Medicine 1 &amp; 2 Cancer Risk Reduction Intervention</td>
</tr>
<tr>
<td>Hemorrhage, Thrombosis, Embolism, Infarction</td>
<td>Applied Pathology: Contribution of Pathology and Imaging to the Diagnostic Process</td>
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</tbody>
</table>

**Shadowing opportunities with clinical pathologists, laboratory medicine specialists, and/or autopsy shadowing may be available upon request.**
Year One Term Two - Year Two: Foundations of Clinical Medicine I-III
Pathology related content is included in the following locations within the three linked Foundations courses:

**Haematology:** CBC and peripheral blood smear, anemias, hemoglobinopathies, malignant haematology (lymphoma, multiple myeloma, leukemias, myeloproliferative disorders)

**Respiratory:** lung pathology, pediatric upper airway problems (croup, tracheitis, epiglottitis), asthma, bronchiectasis/cystic fibrosis, COPD, pleural disease, interstitial lung disease, pulmonary hypertension, mediastinal masses/lung cancer.

**Cardiovascular:** Pathology of ischemia, Pathology of heart failure, Valvular Heart Disease and Endocarditis

**Gastroenterology:** Peptic ulcer disease, Esophageal disease/disorders, Hepatitis, Cirrhosis, Inflammatory bowel diseases, Other intrabdominal diseases/disorders in adults and children.

**Kidney & Urinary Tract:** Acute kidney injury pathology, chronic kidney disease, prostate disease, GU pathology-renal masses and bladder cancer

**Musculoskeletal:** crystalline arthritis (monoarthritis), polyarthritis (inflammatory arthropathies, osteoarthritis), connective tissue disorders, vasculitis, approach to bone lesions/MSK masses, osteoporosis.

**Neurosciences:** Neuroinfections, dementia, movement disorders, stroke, multiple sclerosis, neuro-oncology, ophthalmologic disorders.

**Endocrine:** Histology and Pathology in Endocrine disorders

**Reproductive Medicine:** Histology of the Female Reproductive Tract, Diseases of the cervix, Gynecological malignancies, Gestational trophoblastic disease, Breast disease

**Dermatology:** Pathology: Skin Basics; Dermatopathology of various skin disorders and premalignant/malignant lesions are included within disorder specific lectures.

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**Year Three and Four:**

**Selected Topics in Medicine:** Pathology content is integrated into disorder/presentation specific sessions

**Core Rotations in Medicine:** Opportunities for clinic-pathologic correlation are frequent within clinical practice during rotations.

**Clinical Electives Course:** An elective in Pathology is an option for students in Year Four