

# PATHOLOGY (PATH)

Subject-area course lists indicate courses currently active for offering at the University of Louisville. Not all courses are scheduled in any given academic term. For class offerings in a specific semester, please contact the School of Medicine student records coordinator (natalie.harper@louisville.edu).

## Course Fees

Some courses may carry fees beyond the standard tuition costs to cover additional support or materials. Program-, subject- and course-specific fee information can be found on the Office of the Bursar website (<http://louisville.edu/bursar/tuitionfee/>).

### PATH 816. Special Projects-Pathology 1-16 Units

**Description:** This course is to be arranged to fit individual needs to cover topics of current interest, to participate in research projects or to receive some advanced training.

For class offerings for a specific term, refer to the Schedule of Classes (<http://htmlaccess.louisville.edu/classSchedule/setupSearchClassSchedule.cfm>)

### PATH 869. Immunology of Cancer 1 Unit

**Grading Basis:** Pass/Fail

**Description:** Second-year elective. This course is intended to help the student to understand the relationships between immunology and cancer, focusing on utilization of cancer markers in diagnosis, prognosis and treatment. Topics include: new perspectives in cancer treatment, immunologically related disorders, tumor antigens and effector mechanisms in cancer immunity.

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### PATH 905. Area Health Education Center (AHEC) Rotation-Pathology 1-16 Units

**Prerequisite(s):** Fourth-year standing; this elective must be scheduled through the clinical coordinator in Pathology and the AHEC Office.

**Description:** This four-week elective clinical experience will be obtained in various pathologist practices or programs in rural Kentucky. The student will be encouraged to participate in the community to gain an understanding of how the community characteristics affect medical care delivery. The program educates the student in both anatomic pathology and laboratory medicine. The anatomic pathology section focuses on the skills and methodologies associated with surgical pathology, cytopathology, and autopsy pathology. The laboratory medicine section focuses on skills and methodologies associated with chemistry, microbiology, immunology, hematology/coagulation, and transfusion medicine.

**Note:** Method of Evaluation is observation of performance.

**Course Attribute(s):** CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

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### PATH 908. Clinical Elective, Off-Campus 1-16 Units

**Prerequisite(s):** Fourth-year standing; the student must complete the Off-Campus Request Form and have it approved by the departmental course director.

**Description:** This clinical experience may be obtained in a private practice or an approved program of a duly recognized educational or research institution.

**Note:** Method of Evaluation includes observation of performance, attendance at conferences, acceptance of responsibilities, and improvement in diagnostic capabilities.

**Course Attribute(s):** CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

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### PATH 912. Pediatric Pathology 1-16 Units

**Prerequisite(s):** Fourth-year standing; this elective must be scheduled through the clinical coordinator for the Pathology department.

**Course Attribute(s):** CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

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### PATH 913. Forensic and Autopsy Pathology 1-16 Units

**Prerequisite(s):** Third-year standing.

**Description:** This elective is available for two or four weeks and will include assistance in the postmortem of the many forensic autopsies, which are conducted at the Office of the Chief Medical Examiner. The course objectives are to gain greater knowledge in gross human anatomy; become familiar with common causes of sudden unexpected death (both natural and traumatic), and observe the various pathologic changes associated with these causes; expand descriptive medical terminology; become familiar with pattern injuries and the pathophysiology of sudden and unexpected human death; recognize potential human toxins; understand cause, manner, and mechanism of death, and further understand the interplay of these on properly completed death certificates; and recognize trace evidence, and learn procedures for proper collection, handling, and chain-of-custody thereof.

**Note:** Method of Evaluation includes mandatory attendance and daily discussion between staff and students concerning pathophysiology as seen at autopsy; a paper is required.

**Course Attribute(s):** CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

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**PATH 920. Advanced Pathology****1-16 Units****Prerequisite(s):** Third-year standing.

**Description:** This is a two- or four-week elective. In the two-week elective, students will experience anatomic pathology only. The four-week elective will offer an opportunity to see and experience first-hand the entire spectrum of diagnostic activities in anatomic and clinical pathology. A general pathology rotation in routine surgical, autopsy, and clinical pathology experiences are included in this elective. There will be contact with general faculty. This elective is beneficial not only for students considering a career in pathology, but also for students planning careers in Internal Medicine, Surgery, Obstetrics-Gynecology, Pediatrics, Radiology, Radiation Oncology and Dermatology. Rotations may include subspecialty areas in pathology such as: GYN pathology, neuropathology, dermatopathology, cytopathology/fine needle aspiration, hematology, coagulation, clinical chemistry, immunopathology, Transfusion Medicine, etc. The preceptor of the pathology subspecialties are the faculty member responsi

**Note:** Method of Evaluation includes personal observation of the student's interest, attendance at departmental conferences and staff meetings, attendance at surgical/autopsy sign-out, beeper call conference, acceptance of responsibility, and improvement of diagnostic capabilities.

**Course Attribute(s):** CBL - This course includes Community-Based Learning (CBL). Students will engage in a community experience or project with an external partner in order to enhance understanding and application of academic content.

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