

# PATH - PATHOLOGY (PATH)

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**PATH 710 - Neoplasia (3 Credits)**

Survey course covering a broad range of topics on cancer, including definition, causes, control of cancer growth, similarities and differences between malignant and normal cells, role of viruses and carcinogens, mechanisms of metastasis, oncogenes, role of nutrition, and principles of treatment.

**Prerequisites:** BIOL 340 and CHEM 232 or consent of instructor

**PATH 711 - Experimental Pathology (3 Credits)**

Basic principles of pathologic processes of disease in organs and tissues at the gross and microscopic level. A review of normal anatomy and histology essential to an understanding of processes and organs and tissues that were normal before the disease began.

**PATH 741A - Pathology I (4 Credits)**

Lecture, laboratory, and discussion of special topics covering basic principles of disease, neoplasia, infectious disease, genetic diseases, diseases of the blood forming organs. One semester. Students will not be allowed to receive credit for both PATH 741A and 741B.

**PATH 741B - Pathology I (4 Credits)**

Lecture, laboratory, and discussion of special topics covering basic principles of disease, neoplasia, infectious disease, genetic diseases, diseases of the blood forming organs, heart and lung. For students who are planning to take PATH 742, Pathology II. Students will not be allowed to receive credit for both PATH 741A and 741B.

**PATH 742 - Pathology II (4 Credits)**

Lecture, laboratory, and discussion of special topics covering diseases of the digestive tract, endocrine system, nervous system, and skin and autoimmune diseases.

**Prerequisites:** PATH 741B

**PATH 760 - Topics in Pathobiology (1 Credit)**

Tutorial instruction in selected topics dealing with the molecular and cellular basis of disease. These topics may be drawn from the areas of inflammation, neoplasia, circulatory disturbances, medical genetics, infectious diseases, and cell injury and death.

**Prerequisites:** PATH 741.

**PATH 770 - Seminar in Pathology (1 Credit)**

Group discussion by students and faculty of current research articles in the area of disease mechanisms. May be taken four times for credit.

**Prerequisites:** PATH 741.

**PATH 780 - Research in Disease Mechanisms (3-12 Credits)**

This is a non-thesis course to provide training in specific laboratory techniques in experimental pathology. May be repeated for credit.

**PATH 899 - Dissertation Preparation (1-12 Credits)**