The Johns Hopkins University  
School of Medicine  
Department of  

Art as Applied to Medicine

Graduate Program in Medical & Biological Illustration

The Department of Art as Applied to Medicine was the first program of its kind in the world. It was founded in 1911 with an endowment from Henry Walters, Baltimore art collector, financier, and philanthropist. Max Brödel (1870-1941), illustrator to Hopkins physicians and surgeons since 1894, directed the program from its inception until his retirement in 1940. Department archives contain over 1000 original works by Brödel, his colleagues, and early students.

Since 1959, the University-wide Graduate Board has awarded graduates of the two-year program a Master of Arts degree in Medical and Biological Illustration. Coursework, facilities, and student affairs are administered by the School of Medicine.

The program has been granted full accreditation since 1970 and is currently accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) and the Accreditation Review Committee for the Medical Illustrator. The program and its faculty actively participate and support the goals of the Association of Medical Illustrators (AMI).

Hopkins has trained medical illustrators to advance medical education internationally for over 100 years. Its graduates continue the ‘tradition of excellence’ into the 21st century with a record of excellent employment opportunities.

Baltimore part of the fourth largest metropolitan area in the country, has undergone a tremendous urban revitalization centered around the Inner Harbor area where the National Aquarium, Maryland Science Center, and Pier 6 Concert Pavilion are located. Ethnic festivals, boating events, and interesting restaurants and shops contribute to active city life.

Special resources in cinema, the visual and performing arts, and sports are excellent and in abundance. Among them, Baltimore’s Film Forum, Museum of Art, Walters Art Museum, Symphony Orchestra, Center Stage Theater, Orioles baseball, and Ravens football have received international recognition and loyal local support for their achievements.

The University Office of Special Events presents a variety of cultural programs which are available to students and faculty at reduced rates during the academic year.

Only an hour from Washington, D.C., two hours from Philadelphia, and three to four hours from New York City, Baltimore provides a good base for the variety of activities these cities offer.

Maryland’s nearby mountains and coastline provide scenic diversity and recreational opportunities.
As a department in the School of Medicine, Art as Applied to Medicine has easy access to all the facilities of the world renowned Johns Hopkins Medical Institutions. The large student studio with natural light provides each student with a fully equipped, individually partitioned work area as well as ample communal work space. The Department’s state-of-the-art computer lab offers multiple workstations, platforms, peripherals, and resources. The integral connection between the instructional curriculum and the production units of the Department allows students to observe and be mentored by practicing professional Certified Medical Illustrators (CMI), use the most technologically advanced production equipment, and see faculty members as active illustrators in the Hopkins community. With a faculty of twenty-three, the academic program provides broad interdisciplinary education and training in medical illustration meeting both the scholarship requirements of the University and the visual communication needs of today’s health science professionals.
Admission Requirements

Baccalaureate degree (B.A., B.S., B.F.A.)
Transcripts demonstrating high academic standing.
Graduate Record Examination (GRE) is optional.

SCIENCE
One semester in each of the following courses:
General Chemistry for science majors
Vertebrate Anatomy* with mammalian (cat) dissection lab.
Vertebrate Physiology* including organ systems
One of the following:
Cell Biology, Developmental Biology (Embryology), Histology, Immunology, or Molecular Biology.
*A two semester course in Human Anatomy and Physiology may be substituted for both courses.

ART
A Portfolio demonstrating artistic ability in the following:
General Drawing Realistic drawings created from direct observation expressing form in space, light on form, and a variety of surface textures. Examples should demonstrate skilled draftsmanship, ability to render detail, and should include still-life arrangements and animal and plant studies.

Figure Drawing Advanced studies of the human figure drawn directly from the model. Examples should include both long and short poses rendered in a variety of media.

Color Media An accomplished use of transparent watercolor, opaque paint media, and colored pencil should be included. Landscape and still-life subject matter rendered in a representational manner demonstrating the ability to match colors accurately and to create form and space with color.

Digital Media Knowledge and experience in both vector and raster imaging applications. Courses in 2D animation, 3D animation, and web design are recommended.

Graphic Design Layouts that integrate image and typography to conform to a pre-selected format and audience. Client-oriented visual communication projects.

WRITING
English composition

RECOMMENDED COURSES
Art History, Color Theory, Scientific Writing, and other advanced art specialties.

Graduate Degree Requirements

UNIVERSITY
• A candidate's period of attendance in the program will be not less than 18 months. Transfer graduate students must register a minimum of two consecutive semesters as a full-time, resident graduate student.
• Certification by the Department Chairman that all requirements have been fulfilled.

DEPARTMENT
• Each candidate must submit a thesis on a subject approved by the Department Chairman. The completed thesis must be approved by a university qualified preceptor as being worthy of acceptance in partial fulfillment of requirements for the M.A. degree. The candidate’s standing will be reviewed by the Committee on the M.A. and Ph.D. Programs before being recommended for degree.
• The student must satisfactorily complete courses in Human Anatomy, Basic Mechanisms of Disease.
Application Procedure

A class of seven students is selected each year to matriculate in early August.

Step One – Portfolio

Potential candidates submit a 20-image Portfolio and complete an Applicant Profile form online beginning November 1st; the deadline is January 15th of the admission year. There is a $10 fee to submit the online Portfolio and Applicant Profile.

http://hopkinsmedart.slideroom.com

Step Two – Application

The Admissions Committee will notify all candidates who qualify for final consideration, will provide them access to the formal online Application site, and invite them for a personal interview to review the original art from their portfolio. Due dates for the Application and Supporting Documents are provided at the time the interview date is set. Applicants may be asked to bring additional artwork.

Supporting Documents include:
1. Three letters of recommendation. At least one from a science instructor and one from an art instructor.
2. Official transcripts from all colleges and universities attended.
3. Statement of interest in the program.
4. Application fee.

PORTFOLIO CONTENTS

20 samples of your artwork:
- Examples of all 5 required art categories: general drawing, figure drawing, color media, digital media, and graphic design.
- A minimum of 5 figure studies
- A minimum of 2 digital media pieces (graphic design or illustration).
- Examples of art outside the required categories, a maximum of 2, may include: sculpture, fine art prints, multimedia presentations, or photography.
- Medical subject matter should not be included.
- When uploading your Portfolio, you will be asked to identify the following elements for each image:
  - Title
  - Description
  - Medium / software
  - Original size
  - Date of completion
  - Source – direct observation, photo reference or both

PORTFOLIO UPLOAD

Please submit images of the 20 samples of your artwork at a high resolution. A safe guideline is to make the largest dimension 1024 px. The Portfolio may include:

- Images (max 5MB):
  - .jpg, .jpeg, .png, .gif, .tif, .tiff, .bmp, or .tga
- Videos (max 60MB):
  - .mov, .mp4, .wmv, .flv, .asf, .mpeg, .mpg, .mkv
- Documents (max 10MB): .pdf
- Other formats (max 10MB): .zip, .psd, etc.
- Linked Media: Vimeo or YouTube

Note: The Admissions Committee is interested in viewing artistic details and subtleties of your artwork. Therefore, you may wish to include an additional detail image of selected Portfolio art to enhance your submission. No more than 4 detail images may be uploaded.

The 20-image Portfolio and Applicant Profile form must be submitted no later than January 15th using the following website:

http://hopkinsmedart.slideroom.com

Important Dates

Portfolio & Applicant Profile

January 15th

Notification

April 15th

A Portfolio and Applicant Profile may be submitted beginning November 1st but no later than January 15th.

Portfolio Guidelines

Non-Discrimination Policy: The Johns Hopkins University does not discriminate on the basis of race, color, gender, religion, sexual orientation, national or ethnic origin, age, disability, veteran status or marital status in any student program or activity administered by the university or with regard to admission or employment. Questions or concerns regarding Title VI, Title IX and Section 504 should be directed to The Office of Institutional Equity, JHU, Garland Hall, Ste.150, (410)516-8075.