

BIOMEDICAL PHOTOGRAPHIC COMMUNICATIONS

PROGRAM OVERVIEW FOR EMPLOYERS

RIT offers the only program in the nation granting a bachelor of science degree in Biomedical Photographic Communications. The program is designed to prepare students for photographic imaging careers that support visual information capture and delivery in the life sciences such as medical facilities, ophthalmic clinics, science research centers, veterinary medicine and other health science situations such as pharmaceutical companies or forensic labs or imaging companies including Nikon, Zeiss, Xerox and Topcon.

Degree(s) Awarded

Bachelor of Science Degree

Enrollment

Approximately 80 students enrolled in the program

Cooperative Education Component

Students are required to have completed at least one co-op experience prior to graduation.

Salary Information (Avg/Range)

Co-op:	\$11.98	\$7.25 - \$17.00
BS:	\$45,250	\$42,500 - \$48,000

Equipment & Facilities

Dynamic learning labs include photomicrography, ophthalmic and digital imaging equipment as well as Internet publishing.

Workstations provide hands-on experience with PC and Mac Computer platforms (InDesign, Photoshop, Powerpoint, Final Cut Pro, Flash) which are utilized to create a variety of projects.

Accreditation

The Biocommunications Association has assisted in the preparation of criteria and program development.

Recognized by the Ophthalmic Photographers Society as partially meeting criteria for preparing for the Certified Retinal Angiographer (CRA) exam.

Student Skills & Capabilities

- Skilled in the use of a variety of traditional DSLR systems as well as specialty equipment on location as well as in a studio environment.
- Experienced in patient photography, wet specimen photography, close up and photomicrography, P.R. photography, photography using the invisible spectrum, ophthalmic photography, photomacrography and extensive use of portable and studio electronic flash.
- Creation of visuals used to support education and research using applications such as In Design, PowerPoint and many others including Photoshop, Dreamweaver, Lightroom and Flash.
- Knowledge of color management workflow and output.
- Image capture using both motion and still digital cameras digital image processing and creation of picture files.
- Electronic imaging, desktop publishing and information design and layout.
- Digital Video/Audio capture, processing and output
- Instructional Design

Biomedical Photographic Communications

Course Sequence BS degree

First Year

Biomedical Photography I
Materials & Processes of Photography
Survey of Biomedical Photography
Human Biology
Math
Liberal Arts (Core)
Physical Education

Second Year

Biomedical Photography II
Prep of Visuals
Desktop Publishing
WEB Publishing
Medical Terminology
Digital Photography I & II
Liberal Arts (Core)
Physical Education
Summer Co-op

Third Year

AV Production
Advanced Photography in Bio. Comm.
Professional Electives
Science Electives
Liberal Arts (Concentration)
Second Mathematics course
Summer Co-op (optional)

Fourth Year:

Photographic Concentration
Professional Electives
General Education

Concentrations & Specialization are an integral part of the BPC philosophy. Students are pushed to focus their 4th year in a specific area.

A unique concentration in ophthalmic photography includes specialized training in fundus photography, fluorescein angiography, slit lamp biomicrography, optical coherence tomography, and gonioscopy.

Employers of Biomedical Photographic Communications Co-op and Graduating Students:

Canfield Scientific, Case Western & The Cleveland Clinic, Doheny Eye Medical Group, Dover Air Force Base, Eastman Kodak Company, Federal Bureau of Investigation, FUJIFILM e-systems, Inc., Johns Hopkins University, Mayo Clinic, McGuire AFB, Midwest Retina Consultants, NASA LBJ Space Center, Topcon America, VA Medical Centers, Xerox Corporation, Carl Zeiss MicroImaging, Heidelberg Engineering, Carl Zeiss Meditec, Smithsonian Institution, Harvard University Medical School

Contact Us:

We appreciate your interest in hiring RIT co-op, graduating students or alumni. We will make every effort to make your recruiting endeavor a success. Call our office and ask to speak with Lisa Vasaturo, the program coordinator who works with the Biomedical Photographic Communications program. For your convenience, you can access information and services through our web site at <http://www.rit.edu/recruit>.

Lisa M. Vasaturo Program Coordinator

Office of Cooperative Education and Career Services
RIT . Bausch & Lomb Center . 57 Lomb Memorial Drive . Rochester NY 14623-5603
585.475.5460
lmvoce@rit.edu