

## BIOMEDICAL PHOTOGRAPHIC COMMUNICATIONS

<http://biomed.rit.edu>

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### 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, 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:	\$11.21	\$7.50 - \$15.29
BS:	\$36,000	\$32,000 - \$42,000

#### Equipment & Facilities

Dynamic learning labs include photomicrography, ophthalmic and digital imaging equipment as well as Internet and desktop 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 instructional media 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 small, medium and large format equipment on location as well as in studio using digital capture.
- 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 electronic flash and electronic photography.
- Creation of visuals used to support education and research using computer applications such as In-Design, PowerPoint and many others including Photoshop, Dreamweaver, and Flash.
- Knowledge of color output and scanning.
- Image capture using both video and silver halide cameras, digital image processing and creation of picture files.
- Electronic imaging, desktop publishing, and computer graphics.
- Digital Video/Audio capture, processing and output
- Instructional Design

# Biomedical Photographic Communications

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## 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 4<sup>th</sup> year in a specific area.**

A unique concentration in ophthalmic photography includes specialized training in fundus photography, fluorescein angiography, slit lamp biomicrography and gonioscopy as well as electronic imaging.

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

Case Western & The Cleveland Clinic, Cincinnati Eye Institute, Dover Air Force Base, Eastman Kodak Company, Federal Bureau of Investigation, Fuji-ESystems, Johns Hopkins University, McGuire AFB, MIT Lincoln Lab, NASA LBJ Space Center, Swedish Covenant Hospital, Topcon America, VA Medical Centers, Xerox Corporation, Zeiss MicroImaging.

### 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

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