

# GIT - Graphic Imaging Technology

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## Courses

### **GIT 100 Introduction to Graphic Imaging Technology**

**3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on evaluating printing processes. Topics include: lithography, flexography, screen, gravure, and digital-on-demand presses for print media; packaging options for advertising processes such as metal can, corrugated, and plastic packaging; and digital-on-demand presses for packaging.

Prerequisites: None

### **GIT 105 Ink and Substrates**

**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on physical characteristics, manufacturing processes, and print industry uses for ink and paper. Topics include: how ink components affect color, drying properties of ink, printing substrates, and cost factors related to ink and paper choices.

Prerequisites: None

### **GIT 115 Adobe InDesign**

**3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on using Adobe InDesign software to create and publish documents for print, web, or mobile devices. Topics include: master pages, styles, images, print production, optimized PDF files, and variable data.

Prerequisites: None

### **GIT 120 Digital Photography and Imaging**

**3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on producing quality images with digital cameras. Topics include: lighting; color balance; exposure; retouching; and reproducing images for uses including web, digital output devices, and printing presses.

Prerequisites: None

### **GIT 130 Letterpress Printing**

**3 Credits. 2 Lecture Hours. 2 Lab Hours.**

An introduction to traditional methods of letterpress printing using a Heidelberg Platen press and a proofing press. Topics include: history of printing, basic typography, design and printing techniques using lead and hot metal type, and hand-carving linoleum blocks to make custom artwork.

Prerequisites: None

### **GIT 191 Part-Time Cooperative Education 1: Graphic Imaging Technology**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their first part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: MID 190

### **GIT 192 Part-Time Cooperative Education 2: Graphic Imaging Technology**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their second part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: GIT 191

### **GIT 193 Part-Time Cooperative Education 3: Graphic Imaging Technology**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their third part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: GIT 192

### **GIT 194 Part-Time Cooperative Education 4: Graphic Imaging Technology**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their fourth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: GIT 193

### **GIT 195 Part-Time Cooperative Education 5: Graphic Imaging Technology**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their fifth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: GIT 194

### **GIT 196 Part-Time Cooperative Education 6: Graphic Imaging Technology**

**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their sixth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: GIT 195

### **GIT 200 Digital Imaging and Publishing**

**3 Credits. 1 Lecture Hour. 6 Lab Hours.**

A course on digital printing and output methods. Topics include: digital print processes and equipment, variable data fundamentals, database applications, and emerging technologies. Students must attend tours of companies that use current printing and publishing technologies.

Prerequisites: GIT 100 and GRD 120 and GRD 130

**GIT 215 Applied 2D Graphics: Graphic Imaging Technology**  
**3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on using page layout, vector, and image editing software applications for high-end production processes. Topics include: file construction, resolution of files and devices, trapping techniques, retouching, preflighting, color separations, profiling, color correction, variable data, and proofing.

Prerequisites: GIT 115 and GRD 120 and GRD 130

**GIT 220 Screen Printing**  
**3 Credits. 1 Lecture Hour. 6 Lab Hours.**

A course on fundamentals of operating manual and semi-automatic screen printing presses. Topics include: file preparation, frames, mesh, emulsions, inks and additives, and printing on varied substrates and odd-shaped objects.

Prerequisites: GIT 100 and GRD 120 and GRD 130

**GIT 230 Print Media Workflow**  
**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on determining printing job costs, emphasizing paper used in sheet-fed offset and flexographic printing. Topics include: cost factors, computer-assisted estimation and scheduling, file processing in a color-managed environment, and web-based job tracking.

Prerequisites: GIT 100 and GIT 105

**GIT 240 Flexographic Printing Methods**  
**3 Credits. 1 Lecture Hour. 6 Lab Hours.**

A course on fundamental principles and practices of the flexographic printing industry. Topics include: artwork preparation, prepress, plates and platemaking, inks, substrates, tooling, presswork, and finishing operations unique to flexography.

Prerequisites: GIT 100 and GRD 120 and GRD 130

**GIT 250 Offset Printing Methods**  
**3 Credits. 1 Lecture Hour. 6 Lab Hours.**

A course on high quality sheet-fed and web-fed offset printing and digital high-volume printing. Topics include: color consistency, controlling dot gain and slur, plugging halftones, maintaining ink and dampening systems, and using quality control production devices.

Prerequisites: GIT 200

**GIT 255 Graphic Imaging Production Processes**  
**3 Credits. 2 Lecture Hours. 3 Lab Hours.**

A course on preparing art for professional printing processes. Topics include: survey of print processes such as lithography, flexography, gravure, and screen printing; file construction; design considerations; and standards for evaluating printed materials.

Prerequisites: GRD 215 and GRD 230

**GIT 290 Graphic Imaging Technology Capstone**  
**1 Credit. 0 Lecture Hour. 3 Lab Hours.**

Students complete activities that demonstrate their knowledge of concepts and techniques in Graphic Imaging Technology.

Prerequisites: Graphic Imaging Technology Program Chair consent, and minimum 2.5 GPA

Instructor Consent Required

**GIT 291 Full-Time Cooperative Education 1: Graphic Imaging Technology**  
**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their first full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: MID 190

**GIT 292 Full-Time Cooperative Education 2: Graphic Imaging Technology**  
**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their second full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: GIT 291

**GIT 293 Full-Time Cooperative Education 3: Graphic Imaging Technology**  
**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their third full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: GIT 292