

DEKALB TECHNICAL COLLEGE
Clarkston Campus

PRINTING AND GRAPHICS TECHNOLOGY
GRAPHIC DESIGN AND PREPRESS
FIVE QUARTER DIPLOMA

The Printing and Graphics Technology Program prepares students for employment in a variety of positions in today's modern design, digital, and printing industry. It provides learning opportunities to introduce, develop, and reinforce academic and occupational knowledge, skills, and attitudes required for job acquisition, retention, and advancement. Several software packages and proper industry-level computer skills are learned in the Graphic Design and Prepress program. Students may pursue industry certification upon completion of this program. Additionally, the program provides opportunities to upgrade present knowledge and skills or to retrain in the area of printing and graphics technology.

The Printing and Graphics Technology programs incorporate the National Imaging Skills Standards as developed by the Graphics Arts Technical Foundation (GATF).

Course Number	Course	Class Hours	Lab Hours	Total Hours	Credit Hours	Prerequisites/Corequisites
FIRST QUARTER						
BUS 101	Beginning Document Processing	10	90	100	5	
PGT 101	Introduction to the Printing Industry	60	40	100	8	
PGT 102	Basic Publication Design	<u>30</u>	<u>70</u>	<u>100</u>	<u>6</u>	Program Admission
	TOTAL	100	200	300	19	
SECOND QUARTER						
PGT 115	Image Output and Preflight	30	70	100	6	Program Admission
PGT 128	B/W Photo Manipulation	<u>30</u>	<u>70</u>	<u>100</u>	<u>6</u>	PGT 102, PGT 115
	TOTAL	60	140	200	12	
THIRD QUARTER						
ENG 101	English	50	0	50	5	*, See catalog for pre-reqs
PGT 103	Advanced Publication Design	10	90	100	6	PGT 102
PGT 107	Color Photo Manipulation and Scanning	<u>10</u>	<u>90</u>	<u>100</u>	<u>6</u>	PGT 128
	TOTAL	70	180	250	17	
FOURTH QUARTER						
PGT 109	Color Digital Production	10	90	100	6	PGT 108
PGT 110	Digital Imaging Practicum/Internship	<u>0</u>	<u>360</u>	<u>360</u>	<u>12</u>	PGT 109
	TOTAL	10	450	460	18	
FIFTH QUARTER						
EMP100	Interpersonal Relations and Professional Development	30	0	30	3	
MAT 101	Basic Mathematics	50	0	50	5	*
SCT 100	Introduction to Microcomputers	10	40	50	3	
XXX XXX	Elective				<u>6</u>	
	TOTAL	90	40	130	17	

*Program admission level English, reading and/or math competency required.

CIP CODE: 10.030502

MAJOR CODE: PG02

REQUIRED CREDIT HOURS: 83

10/07

The curriculum is subject to change to meet changing conditions. As set forth in its catalog, DeKalb Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, veteran status, or citizenship status (except in those special circumstances permitted or mandated by law).

PRINTING AND GRAPHICS TECHNOLOGY COURSE DESCRIPTIONS

PGT 101 – INTRO TO PRINTING INDUSTRY (8)

Prerequisite: Advisor Approval

Introduces an overview and presents the fundamentals of the printing industry. Emphasizes the overview of graphic design. Topics include: first aid and safety, graphic design, electronic imaging, reproduction photography/digital reproduction, image assembly, offset duplication, bindery, measurement, industry overview, and printers math.

PGT 102 – BASIC PUBLICATION DESIGN (6)

Prerequisites: Program Admission; Advisor Approval

Introduces the principles and basics of publications design. Topics include: safety, design principles, basic desktop publishing, software, file management, typography, measurement, page layout, and quality issues.

DEKALB TECHNICAL COLLEGE
Clarkston Campus

PRINTING AND GRAPHICS TECHNOLOGY

PGT 103 – ADVANCED PUBLICATION DESIGN (6)

Prerequisites: PGT 102, Advisor Approval
Focuses on the advanced study of publications design. Topics include: safety, page layout, basic scanning, graphics, file formats, font management, color theory, and quality issues.

PGT 107 – COLOR PHOTO MANIPULATION AND SCANNING (6)

Prerequisites: PGT 128, Advisor Approval
Emphasizes an overview and presents the fundamentals of color photo manipulation and scanning. Topics include: safety, color theory, color scanning techniques, color correction, duotone and multitone, color separation techniques, special effects and filters, process control, and industry standards/quality control.

PGT 109 – COLOR DIGITAL PRODUCTION (6)

Prerequisites: PGT 128, Advisor Approval
Focuses on color digital production processes. Topics include: first aid and safety, process color assembly, color separation production, trapping operations, color proofing operations, process color production, press proof/inspection, and densitometry/color.

PGT 110 – DIGITAL IMAGING PRACTICUM / INTERNSHIP (12)

Prerequisites: PGT 101, PGT 102, PGT 103, PGT 115, PGT 128
Provides an approved industry setting where the student develops and sharpens skills in digital imaging. Emphasis is placed on production standards achievement and quality control. Topics include one or more of the following: process black and white and color assembly, black and white and color separation production, digital manipulation, and industry production techniques.

PGT 115 – IMAGE OUTPUT AND PREFLIGHT (6)

Prerequisites: Program Admission, Advisor Approval
Prerequisite/Corequisite: PGT 102
Introduces the students to the study of image output and assembly. Topics include: safety, basic film assembly, film processing/chemistry, basic multicolor assembly, outputting files, film composition and contacting, proofing and plate making, registration methods, output control (preflighting), imposition, trapping, color proofing, and calibration/quality control.

PGT 128 – BLACK & WHITE PHOTO MANIPULATION (6)

Prerequisites: PGT 102, Advisor Approval
Corequisite: PGT 115
Focuses on an overview and presents the fundamentals of black and white photo manipulation and scanning. Topics include: safety, scanning operations, resolution, sizing/scaling, file formats, photo manipulation software, halftone gray scale theory, gray scale, quality control and calibration, OCR software, file conversion, digital input, digital manipulation, digital output, multitasking, industry production techniques, and industry standards/quality control.

ESTIMATED PROGRAM COSTS

GRAPHIC DESIGN AND PREPRESS

First Quarter

Tuition/Fees.....	\$544.00
Books/Supplies.....	200.00
Total.....	\$744.00

Second Quarter

Tuition/Fees.....	\$544.00
Books/Supplies.....	40.00
Total.....	\$594.00

Third Quarter

Tuition/Fees.....	\$544.00
Books.....	30.00
Total.....	\$574.00

Fourth Quarter

Tuition/Fees.....	\$544.00
Books.....	50.00
Total.....	\$594.00

Fifth Quarter

Tuition/Fees.....	\$544.00
Total.....	\$544.00
Total.....	\$3,050.00

Tuition/fees and cost of books/supplies are estimates only and are subject to change without notice. Tuition is based on Georgia residency.

10/07