

IMAGING AND APPLIED TECHNOLOGY

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Faculty

Laun L. Reinholtz, *Chair*
Rodrick A. Church
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with a cumulative GPA of at least 3.00. They must also submit a portfolio of their work to the department along with a formal application to the Digital Multimedia program.

Applications and portfolios are reviewed by the department during the month of May and the applicant is notified no later than June 30 of acceptance into the program. Students must have a cumulative GPA of 2.75 in this major for graduation.

GRAPHIC IMAGING TECHNOLOGY

Revolutionized by the introduction of computer technology into the industry, the term “graphic imaging” is no longer limited to the field of printing. The industry now emphasizes online publishing and interactive multimedia. Students work extensively with computer applications. Two options are available.

Electronic Publishing helps students develop skills in the use of computer applications to produce materials for the printed page as well as for Web and CD-ROM publishing and interactive media.

Web Development. In today’s economy almost everyone has a webpage to help advertise or market a product. This is one of the rapidly growing areas of the job market. Students taking this emphasis will have the needed background to find good paying jobs.

BT: Graphic Imaging Technology

Major requirements—30

DGME130, 175, 215, 225, 250, 335, 350; PHTO365; TCED495

Emphasis in Electronic Publishing—28

DGME185, 305; GRPH125, 145; PHTO115; plus 10 credits of electives chosen in consultation with advisor.

Cognate requirements—8

ART104, 207; JOUR140

or

Emphasis in Web Development—28

CPTR125, 151, 152; DGME340, 385; plus 8 credits of electives chosen from CPTR416; DGME216, 345; PHTO115, 130, 300.

Cognate requirements—5-6

Chosen from ART104, 207, 214, 310.

AT: Graphic Imaging Technology

Major requirements—40

DGME130, 175, 185, 225; GRPH125; INDT315 plus 18 credits of electives chosen from DGME305; GRPH145 and others in consultation with advisor.

Cognate requirement—2

ART207

PHOTOGRAPHIC IMAGING

Photographic imaging fosters creativity in the production of visual images. The subject of these images and the method used to

projects. Helps the individual be a better consumer. Not applicable to a major or minor. *Spring*

AUTO120 \$ (4)
Auto Body Repair I

Theory and skill development for metal control in auto body sheet metal repair procedures. Welding, hand tool and power tool skills are developed on mock-ups and selected damage on automobiles. Component alignment and minor panel sectioning will be covered on both unitized body and conventional frame style vehicles. *Fall*

AUTO130 \$ (4)
Auto Body Repair II

Fundamentals of spray equipment, its usage and care. Emphasis in finishing materials, procedures and techniques for spot finishing and complete paint jobs. Course covers the preparation of substrata and final finishing using automotive urethane finishes. Study will also be made of body component systems and their diagnosis and repair. Prerequisite: AUTO120 or instructor's permission. *Spring*

AUTO135 \$ (4)
Engine Performance I

A course dealing with general engine diagnosis emphasizing ignition, fuel, air intake, emission and computer controls. *Fall*

AUTO140 \$ (3)
Brakes, Suspension and Steering I

A study of the hydraulic brake system including drum and disc diagnosis and repair. Steering and suspension along with basic wheel alignment will be covered. *Spring*

AUTO150 \$ (4)
Automotive Electrical Systems I

A course dealing with general electrical diagnosis and service procedures which covers: starting, charging, lighting, accessories and gauges. *Spring*

AUTO325 \$ (4)
Engine Repair

Includes general engine diagnosis and repair covering cylinder heads, block repair, lubrication and exhaust systems. *Fall*

AUTO330 \$ (4)
Engine Performance II

An in-depth study of engine diagnosis as it relates to ignition, fuel air induction, emission and computer controls. Use of diagnostic tools will be emphasized. Prerequisite: AUTO135. *Spring*

AUTO340 \$ (3)
Brakes, Suspension and Steering II

An advanced study of the hydraulic braking system including ABS diagnosis and repair. In-depth investigation of alignment, steering and suspension will be covered. Prerequisite: AUTO140. *Spring*

AUTO345 \$ (4)
Auto Body Repair III

Frame and body alignment theory and techniques with emphasis in the use of frame and body measuring devices, heavy duty floor or rack-pulling equipment. Skill in the repair and replacement of sections and complete structural panels will also be developed. Prerequisite: AUTO130. *Fall*

AUTO350 \$ (4)
Automotive Electrical Systems II

In-depth study of the starting, charging, lighting systems along

with accessories and gauges. Emphasis in computer application and control of the automobile operation. Prerequisite: AUTO150. *Spring*

AUTO355 \$ (4)
Auto Body Repair IV

Study in advanced finishing systems and spray gun technique for three stage color systems and custom finishes including stripping, taping, airbrush, and metal flake. Study and practice will also be made of estimating the cost of repairs of collision damage. Prerequisite: AUTO345 or by permission of instructor. *Spring*

AUTO380 \$ (2)
Heating and Air Conditioning

A study of refrigeration theory and repair. Refrigerant recovery and recycling methods, heating and cooling principles are stressed. *Spring*

AUTO425 (1-4)
Automotive Services

Designed to provide experience in automotive diagnosis, estimating, and repair. Students will work on assigned projects. Prerequisites: 20 credits of auto courses with a 3.00 GPA and listed in at least one specialty area by ASE. Repeatable to 8 credits. *Fall, Spring*

CONSTRUCTION

images. Emphasis on image manipulation, restoration, tonal enhancement, on-screen graphics and image acquisition and output. Visual and procedural problems relating to digital imaging will be covered, along with techniques of aesthetic and efficient

tion, photography, digital and conventional artwork to produce screened projects. The sign industry, large format digital printing, UV and curved printing sequences will be explored. Open to all students. *Fall*

GRPH345
Screen Graphics II

\$ (4)

basic operations used in spindle and face-plate turnings. Projects are of a useful and artistic nature. *Spring*