

Applied Graphics for Model Design Certificate

Certificate Number 90-614-1

Description:

This certificate emphasizes a combination of Marketing & Graphic Communications and Model Building classes. Student will focus on computer graphics and model building.

Requirements for Certificate Entry:

- High school diploma or equivalent.
- High school background in mathematics and science.
- High school algebra or equivalent.
- Recent computer familiarity and ability to use a keyboard and mouse.
- Ability to sit behind a computer workstation for prolonged sessions.

Certificate Completers Will be Able to:

Build a variety of prototype models and render, illustrate and photograph various models.

Curriculum

CATALOG #	DESCRIPTION	CREDITS
10-614-113 <i>Offered in: Fall 2008</i>	2D Essentials... an introduction to technical communication, annotation, geometric construction, model, orthographic and pictorial, section and auxiliary views and dimensioning. Knowledge integral to Model Building.	2
10-111-103 <i>Offered in: Fall 2008 Spring 2009</i>	Graphic Workstations... explore the Macintosh Operating System and applications including iPhoto, iTunes, iMovie, GarageBand, FontBook, Sherlock, iCal, AddressBook and Dashboard. Learn to navigate the Mac Operating System and manage files and folders.	1
10-111-161 <i>Offered in: Fall 2008 Spring 2009</i>	Macintosh Illustration... create and paint basic shapes, draw, transform objects, work with type, blend shapes and colors, work with layers, special effects, and color separations. An introduction to manipulating vector based images. (Corequisite: 10-111-103, Graphic Workstations)	3
10-111-101 <i>Offered in: Fall 2008 Spring 2009</i>	Macintosh-Image Editing... (Adobe Photoshop + Adobe Acrobat) scanning, editing, color correcting and creating composite montage photographs. Prepare images for publication in print or the internet. An introduction to manipulating bitmap images. (Corequisite: 10-111-103, Graphic Workstations)	3
10-614-152 <i>Offered in: Fall 2008</i>	Prototyping-Introduction to... introduction to 3D model building using a variety of materials, machine processes, and fabrication techniques including CNC milling with an emphasis on accuracy, professionalism, and working within specified tolerances.	5
<i>Certificate Total</i>		14

For more information, please contact: The Business & Information Technology Division, (920) 498-5435 or (800) 422-NWTC, extension 5435, or contact Donna Meves, Flexible Learning Manager, (920) 498-6872 or (920) 498-5431, donna.meves@nwtc.edu