

# COMPUTER GRAPHICS & DESIGN

## Computer Graphics & Design

*A.S. Degree*

*Certificate of Achievement*

## Advanced Technical Computer Graphics

*Certificate of Achievement*

## Technical Desktop Publishing & Graphics

*Certificate of Achievement*

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## Computer Graphics & Design *A.S. Degree*

CGD 2	2D/3D Technical Computer Graphics I	4 units
CGD 4	2D/3D Technical Computer Graphics II	4 units
CGD 8	Computer Graphics Application I	4 units
CGD 9	Computer Graphics Application II	4 units
CGD 110	Computer Graphics Lab	4 units
Total Units for Major:		20 UNITS

Plus completion of general education requirements . . . . . units vary  
Total Units Required for A.S.: . . . . . minimum of 60 UNITS

Students can both broaden and deepen their advanced concentration using primary software (RHINO and 3-D Studio Max) and secondary support software (AutoCad LT and Adobe PhotoShop).

Three dimensional modeling, rendering and working drawings are the core digital graphic processes for the CGD program and these processes can be applied in the design fields of character and sets, architectural, product, mechanical, interior, furniture and jewelry. Throughout the program, a student can place emphasis on any one core graphic process. Students learn the problem solving approach and structure to the various fields of design..

## Computer Graphics & Design *Certificate of Achievement*

CGD 2	2D/3D Technical Computer Graphics I	.....4 units
CGD 4	2D/3D Technical Computer Graphics II	.....4 units
CGD 8	Computer Graphics Application I	.....4 units
CGD 9	Computer Graphics Application II	.....4 units
CGD 110	Computer Graphics Lab	..... <u>4 units</u>
Total Units for Certificate of Achievement:		20 UNITS

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### Computer Graphics & Design Options

The following two certificates require a combination of core courses and additional requirements.

#### CORE COURSES:

CGD 2	2D/3D Technical Computer Graphics I	.....4 units
CGD 4	2D/3D Technical Computer Graphics II	.....4 units
CGD 8	Computer Graphics Application I	.....4 units
CGD 9	Computer Graphics Application II	.....4 units
CGD 110	Computer Graphics Lab	..... <u>4 units</u>
Core Unit Total:		20 UNITS

Completion of the core courses and the additional requirements in a selected area (below) will qualify students for a Certificate of Achievement.

General Education Requirements: A student may complete the Gavilan College AA/AS general education, the CSU-GE Breadth, or the IGETC pattern. See a counselor for details.

## Advanced Technical Computer Graphics Option *Certificate of Achievement*

**CORE COURSES:** .....20 units

#### ADDITIONAL REQUIREMENTS:

CGD 6	Advanced Technical Computer Graphics	.....4 units
CGD 110	Computer Graphics Lab	..... <u>4 units</u>
Total Units for Certificate of Achievement:		28 UNITS

Students can both broaden and deepen their advanced concentration using primary software (RHINO and 3-D Studio Max) and secondary support software (AutoCad LT and Adobe PhotoShop).

## Technical Desktop Publishing and Graphics Option *Certificate of Achievement*

**CORE COURSES:** .....20 units

#### ADDITIONAL REQUIREMENTS:

CGD 160	Technical Desktop Publishing and Graphics	.....4 units
CGD 110	Computer Graphics Lab	..... <u>4 units</u>
Total Units for Certificate of Achievement:		28 UNITS

Students can both broaden and deepen their advanced concentration using primary software (RHINO and 3-D Studio Max) and secondary support software (AutoCad LT and Adobe PhotoShop).