COMPUTER ASSISTED DESIGN AND DRAFTING TECHNOLOGY LEVEL 1 - CERTIFICATE OF PROFICIENCY

(Secondary)

This program prepares students to succeed as a CADD technician. This certificate provides students with competencies in the following areas: manual drafting, 3D solid modeling, and residential architectural design.

COMPUTER ASSISTED DESIGN AND DRAFTING TECHNOLOGY ASSOCIATE OF APPLIED SCIENCE

(Postsecondary)

This program prepares students to succeed as a CADD technician. This degree specializes in three-dimensional design concepts, 3D solids and parametric modeling, residential and commercial architectural design and planning, 3D animation, and cartography (map drawing).

Salary Range: *$18.99 - $25.40 per hour*

Drafting fields:

• Architectural and construction drafting

• Civil drafting

• Mechanical drafting

• Piping drafting

• Illustration and design detailing

• Interior design

CONTACT INFORMATION

GIFT Superintendent, Troy Thygerson
gift.tt@eac.edu
(928) 348-3393

EAC CADD Adviser, Dee Lauritzen
dee.lauritzen@eac.edu
(928) 428-8433 or (800) 678-3808 ext. 8433

EAC CADD Adviser, Doug Griffin
doug.griffin@eac.edu
(928) 428-8437 or (800) 678-3808 ext. 8437

EAC Dean of Curriculum & Instruction, Dr. Janice Lawhorn
janice.lawhorn@eac.edu
(928) 428-8509 or (800) 678-3808 ext. 8509

District Governing Board Members

Lois Ann Moody, Chairman

Richard W. Mattice, Secretary

Marrianne Rowley, Member

Tina C. McMaster, Member

Lance F. Layton, Member

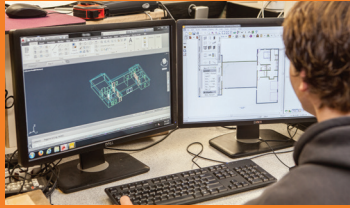### College President

Mark Bryce

615 North Stadium Avenue,
Thatcher, Arizona 85552
www.eac.edu

Programs of Study

Computer Assisted Design and Drafting Technology

EASTERN ARIZONA COLLEGE

Arizona's oldest and most unexpected community college

WHAT ARE PROGRAMS OF STUDY?

A guide for high schools, parents, and students to utilize in outlining high school-to-college academic and career education coursework for various Career and Technical Education (CTE) programs funded through the Carl Perkins Grant.

The Programs of Study must lead to an industry recognized credential or certificate at the college level, or an associate or baccalaureate degree.

WHAT ARE THE BENEFITS?

- Students are provided a path to follow to meet their educational/career goals.
- Students may receive college credit for courses taken at the high school (i.e. dual enrollment).
- Students have the potential to earn certification, licensure, and/or a degree sooner than students who begin their educational goals post-high school.
- Helps students avoid taking unnecessary college courses, saving time and money.
- Provides parents an opportunity to be involved in their child's education.

HOW IS THIS MADE POSSIBLE?

Through the collaboration of the Eastern Arizona Programs of Study Consortium - Local high schools, Gila Institute for Technology (GIFT), and Eastern Arizona College (EAC).

HOW DO I ENROLL?

Interested students must contact the Gila Institute for Technology Office at (928) 348-3393 to apply for acceptance into the GIFT Program.

Arizona Career and Technical Education Program of Study
Associate of Applied Science in Computer Assisted Design and Drafting Technology

	SECONDARY (High School) Courses needed to complete a Certificate in Computer Assisted Design and Drafting Technology						POSTSECONDARY (College) Courses needed to complete an AAS in Computer Assisted Design and Drafting Technology			Testing *High School* Arizona's College and Career Ready Standards (AZCCRS)
Grade	**10th Grade**		**11th Grade**		**12th Grade**		**Grade**	**Freshman**		Arizona's Career Technical Education (AZCTE) Skills Assessment
	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2		Semester 1	Semester 2	*College* Reading, Writing, Math Placement Testing (COMPASS)
English							**English**	*ENG 100 (3 cr.) or *ENG 101 (3 cr.)	*TEC 260 (3 cr.) or *ENG 102 (3 cr.)	**Certificates/ Degrees** *High School* CADD Technology – Level I, Certificate of Proficiency (Eastern Arizona College)
Math							**Math**	*MAT 120 (4 cr.)		
Other Required Courses/ Electives							**Other Required Courses/ Electives**	Gen. Ed (2 cr.)	Gen. Ed (9 cr.) Electives (3 cr.)	*College* CADD Technology, AAS
GIFT Sponsored EAC Course	DRF 108 (2 cr.)	DRF 170 (3 cr.)	DRF 214** (3 cr.)	DRF 220 (3 cr.)	DRF 160 (3 cr.)	DRF 150 (1 cr.)	**Major Courses**	DRF 290 (2 cr.) MSP 102 (3 cr.)	BUA 259 (3 cr.)	Academic requirement must be completed to obtain certificate/ degree (see catalog for more info.)
	DRF 154 (3 cr.)	DRF 271 (2 cr.)	DRF 262** (2 cr.)	DRF 232 (2 cr.)	DRF 230 (3 cr.)			MSP 104 (4 cr.) or MSP 101 (2 cr.) and WLD 101 (2 cr.)	Additional curriculum credits (1 cr.)	
GIFT Courses/ CTSO	SkillsUSA	SkillsUSA	SkillsUSA	SkillsUSA	SkillsUSA	SkillsUSA				

■ Required Courses
■ Career and Technical Education Courses

* May be adjusted based on skill level
** Will count as additional curriculum credits for the AAS

For assistance with the AAS degree contact:
Gayrene Claridge at *gayrene.claridge@eac.edu* or (928) 428-8341 or
Dee Lauritzen at *dee.lauritzen@eac.edu* or (928) 428-8433 or
Doug Griffin at *doug.griffin@eac.edu* or (928) 428-8437

Eastern Arizona College Courses

Core Curriculum Courses

BUA 259	Business Communications
DRF 108	Technical Drafting
DRF 150	Dimensioning and Tolerancing
DRF 154	Introduction to AutoCAD
DRF 160	Descriptive Geometry
DRF 170	Residential Architecture
DRF 220	Parametric Solid Modeling
DRF 230	Civil Drafting
DRF 232	Structural Drafting
DRF 271	Advanced AutoCAD
DRF 290	Drafting Capstone Project
MSP 102	Materials of Industry

MSP 104	Machine Shop OR
MSP 101	Fundamentals of Machine Shop AND
WLD 101	Welding
TEC 260	Technical Report Writing OR
ENG 102	Written Communications II

General Education Courses

ENG 100	Writing Fundamentals OR
ENG 101	Written Communications I
MAT 120	Intermediate Algebra or higher

Students will need an additional one curriculum related credit, eleven General Education credits, and three elective credits.

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