

**Associate in Applied Science in General Technology
Computer Aided Drafting and Design Option
(EDGE/Cooperative Program with Career/Technical Centers)**

The Associate in Applied Science in General Technology: Computer Aided Drafting and Design Option is an EDGE/collaborative program between WVSTC and Career/Technical Centers. Students who complete the Computer Aided Drafting and Design Program and transfer to WVSTC will be granted 21 credit hours toward the A.A.S. in General Technology: Computer Aided Drafting and Design Option upon completion of all courses in the Computer Aided Drafting and Design program and a passing score of 75% or above on the state exam.

Careers for Computer Aided Drafting and Design

The program prepares the graduates for employment and/or further on-the-job training in the field of basic Computer Aided Drafting and Design for many applications including architectural, mechanical, structural, electrical/electronics, and chemical. Typical jobs for graduates of this program may include:

- Architectural and Engineering firms
- Manufacturing industries
- Construction, Communications, and Utilities industries

For More Information, Contact
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Program Learning Outcomes

Upon completion of this program the student will be able to:

1. Pursue careers in Computer Aided Drafting and Design.
2. Recognize and use an established set of standards in Computer Aided Drafting and Design.
3. Understand the application of dimensioning techniques, assembly and detail drawings, pictorial views and common threads and fasteners.
4. Apply the applications using a CAD system.
5. Interpret basic fundamentals of drafting and geometric construction.
6. Analyze the operation of advanced techniques and special projects.

Curriculum/Suggested Sequence

(61-62 hours required for graduation) / (28 hours transfer from career center)

FIRST SEMESTER

COLL 101	College 101	3
HUM 101	Humanities	3
ENGL 101	English Composition I OR	
ENG 110	English Composition I	3
MATH 100	Intermediate Algebra OR	
BST 104	Business Math OR	
MATH 101	College Algebra OR	
MAT 130	Technical Math I	3
Elective	Restricted Elective	<u>6</u>
	Total Credits	18

SECOND SEMESTER

ENG 120	Technical Writing OR	
BST 230	Bus Comm and Ethics	3
CS 106	Intro to Comp & Office App OR	
BST 240	Fund of Bus Comp Tech	3
BST 298	Business Studies Seminar	1
Elective	Natural Science Elective	3-4
Elective	Social Science Elective	3
Elective	Restricted Elective	<u>3</u>
	Total Credits	16-17

THIRD SEMESTER

Elective	Restricted Elective	<u>6</u>
	Total Credits	6

Restricted Electives: (Choose any five courses)

BST 106, 151, 180, 201, 202, 205, 255, ITEC 101, 180, CS 109, CO-OP, and other courses as approved by the PD

Natural Science Electives: (Choose one) CHEM 100, 101, PSYS 102, 110, 120, 170, 191, 203, BIOL 101

Social Science Elective: (Choose one) SOC 101, POSC 100, 101, PSYC 151, ECON 201, 202

Career & Technical Courses-Transfer 21 credit hours to WVSTC

WVEIS Code 1729	Fundamentals of Drafting	2	WVEIS Code 1728	Adv Computer Aided Drafting	3
WVEIS Code 1727	Drafting Techniques	2	WVEIS Code 1723	Drafting Specialization Civil	3
WVEIS Code 1725	Drafting Specialization Mech	3	WVEIS Code 1724	Electrical/Electronics Drafting	3
WVEIS Code 1721	Drafting Specialization Arch	3	WVEIS Code 1661	Blueprint Reading	2

