- Communicate general and technical information effectively in an industrial setting using technical drawings and sketches, oral and written skills, and basic computer skills.

- Apply mathematical concepts in real world industrial/technical situations.

- Demonstrate knowledge of basic electrical concepts.

- Produce practical and theoretical knowledge of tools and equipment, basic machining principles, and basic welding skills.

- Apply practical and theoretical knowledge of basic welding skills.

Courses

Note: Some courses within the major may have a required prerequisite. If you feel you have equivalent knowledge and skills to those included in the prerequisite course through professional experience, licensure or certification, you have the opportunity to submit a Prerequisite Challenge to be reviewed by the faculty chair. For the Prerequisite Challenge to be considered, you must submit documentation/verification to substantiate the basis for the challenge. Please consult a counselor for more information regarding Prerequisite Challenge.

Complete all of the following courses:

CSCI C070	Computer Literacy	1 Unit
DRFTC108	Reading Technical Drawings	3
ENGL C070	Introductory Composition	4
INDE C060	Mathematical Applications for the Trades	3
INDE C115	Alternating and Direct Current Power	4
MCTL C107	Tool and Equipment Operation	2
MCTL C111	Beginning Machine Shop	3
WELD C101	Oxyacetylene Welding	3
WELD C200	Gas Metal Arc Welding (GMAW)	2

Information Technology Plus Certificate of Achievement

The Information Technology Plus Certificate of Achievement (13 units) is designed for students pursuing professional employment in computer information systems for business. This certificate program provides students with skills to enter the job market as help desk providers, computer support specialists, computer repair technicians, networking technicians, information assurance technicians, and cyber security technicians. Designed for both full and part-time students, this program is appropriate to both those currently employed and those seeking to enter this field.

Complete each course to be applied toward the certificate with a "C" or better. Complete a minimum of 12 units in residence at Cerro Coso Community College.

This program prepares students for careers in Computer Information Systems: CyberSecurity, Information Assurance, Computer Repair, Computer Networking, Computer Operator.

Program Learning Outcomes

Upon successful completion of the program, the student will be able to

- Interpret and use technical information in communications, to solve common business programs using Information Technology systems and applications.

- Demonstrate the ability to support strategies in client computing and user support, including the ability to configure, install, diagnose, and support hardware and software issues.

- Design, analyze, and support computer networks.

- Implement and evaluate network security solutions, related to servers, storage and virtualization.

Courses

Note: Some courses within the major may have a required prerequisite. If you feel you have equivalent knowledge and skills to those included in the prerequisite course through professional experience, licensure or certification, you have the opportunity to submit a Prerequisite Challenge to be reviewed by the faculty chair. For the Prerequisite Challenge to be considered, you must submit documentation/verification to substantiate the basis for the challenge. Please consult a counselor for more information regarding Prerequisite Challenge.

CSCI C101	Introduction to Computer Information Systems	3 Units
CSCI C142	Information & Communication Technology Essentials	4
CSCI C143	Computer Network Fundamentals	3
CSCI C146	Security+Fundamentals of Networks	3

Kinesiology Associate in Arts Degree for Transfer (AA-T)

The Associate in Arts Degree in Kinesiology for Transfer (60 units total, 23-24 units in major) prepares students for transfer to baccalaureate institutions, where they may complete a Bachelor's degree in