

CITS F202—Microcomputer Hardware Support (3)
CITS F203—Information Technology Support Fundamentals (4)
CITS F204—Introduction to Network Support and Administration (3)
CITS F220—Implementing Internet Tools and Technologies (3)
CITS F221—Graphics and Multimedia for the Web (3)
CITS F222—Internet Authoring and Design (3) 9

4.

d.

educational, governmental and corporate settings.

The certificate program focuses on foundation-level support ~~teaching students the essential skills required to effectively use and troubleshoot~~ computer and information technology systems. ~~computers and computer applications.~~ Students completing the certificate program will be prepared for entry-level IT positions and, in addition, to ~~can~~ continue their education in the Information Technology Specialist A.A.S. ~~or the Applied Business A.A.S.~~ degree program.

The A.A.S. degree program prepares individuals to implement, support, and troubleshoot computer and information technology systems and obtain employment as an IT professional. Associate degrees in computer technology support, network and system administration, and web development and administration are offered.

Students entering either the certificate or A.A.S. degree program should meet with a faculty advisor to discuss program content requirements and develop an educational plan that matches the current skills and goals of the student. ~~Students entering the certificate program are expected to have basic computer skills equivalent to CIOS 150. While not a requirement, it is recommended that students applying for admission into the associate program have computer experience equivalent to CIOS 128.~~

This degree program is delivered collaboratively within the UA system.

Certificate Program

1. Complete the general university requirements (page 92).
 2. Complete the certificate degree requirements. (See page 94. As part of the certificate human relations requirements, complete ABUS F154 or ANTH F100X/SOC F100X ~~or approved for the human relations requirement. course.~~)
 3. Complete the following program (major) requirements:*
- a.

sciences (computer science, math, or statistics) for the computation requirement, and As part of the human relations requirement complete ABUS F154 or ANTH F100X/SOC F100X or approved for the human relations requirement. course.)

3. Complete the following program (major) requirements:
 - a. Complete the following system administration courses: *** ****

CITS 204—Introduction to Network Support and Administration.....	3
CITS 205—Introduction to Microcomputer Programming (3) or CS 103—Introduction to Computer Programming (3) or CS 201—Computer Science I (3) or CS 205—C Programming (3).....	3
CITS 212—Server Operating Systems	3
CITS 240—System and Network Services Administration.....	3
CITS 261—Computer and Information Security	3
CITS 265—Directory Services Administration	3
 - b. Complete the following web development courses:

CITS 220—Implementing Internet Tools and Technologies.....	3
CITS 221—Graphics and Multimedia for the Web	3
CITS 222—Internet Authoring and Design	3
CITS 224—Web Scripting.....	3
CITS 225—Web Databases and Programming.....	3
CITS 228—Advanced Website Design and Development	3
 - c. Complete the following IT Professional courses:

CITS 281—Computer Technical Support.....	3
CITS 284—Independent Project or CITS 285—Cooperative Work Experience.....	3
 - d. Complete 3 credits of CIOS, CITS or CS electives
4. Pass a certification review requiring students to demonstrate proficiency in the following skill areas: Web Development and System Administration Skills, Independent Thinking Skills, Human Relations and Support Skills, Professional Practices.***
5. Minimum credits required..... 60



The proposed change to include CIOS classes to the list of classes that can be used to satisfy general computing electives for the Network and System Administration concentration and the Web Development and Administration concentration will allow for a greater number of computing classes that can be used to address areas of weakness that are identified for a student. Currently if an area of weakness is identified for an individual student that could be remedied through a CIOS class, the student isn't able to take the class and have it satisfy a degree program requirement.

The addition of CITS F212 and CITS F261 to section 3.a of the Computer Technology Support concentration is being proposed so that there will be a logical consistency between the foundation-level courses listed under section 3.a of the proposed Certificate and the computer technology support courses listed under section 3.a of the Computer Technology Support concentration of the associate degree. The proposal to remove CS F205 as a course that can be used to satisfy the introductory computer programming requirement of the associate degree is because the prerequisite for this course includes CS F103 or CS F201, both of which are listed as courses that will satisfy the introductory computer programming requirement for the associate degree.