

# CompTIA A+ Computer Essentials Certificate

Program Number: 90-154-2

## Certificate

Information Technology Program Cluster

School of Agriscience and Technologies

Program offered at Madison Campuses

For information call: (608) 246-6800 or  
(800) 322-6282 Ext. 6800

## About the Certificate

IT-CompTIA A+ Computer Essentials Certificate provides instruction for information systems professionals and programming students for the area of computer hardware and software. Topics covered include installation, maintenance and trouble shooting of personal computer hardware, operating systems, and software.

Please note: completion of the IT-CompTIA A+ Computer Essentials Certificate (two) courses prepares the student to test for the CompTIA A+ certification.

## Pre-Admission Skills

1. High school diploma, HSED or GED with a minimum grade point average of 2.0 or equivalent
2. General knowledge of Microsoft Windows

## Certificate Application Process

To apply, see: Apply Online (on the Madison College website). [Create an ApplyWeb account](#) and follow the [instructions](#) to complete the [Online Certificate Application](#) before the [application deadline](#). Submit the \$15 non-refundable fee (payable by credit card, debit card or electronic check) with your application. Applicants may submit more than one certificate application per term using the Online Certificate Application; the same fees apply for each additional application.

## Unique Requirements for Completion

The certificate will be awarded upon completion of the requirements with a minimum of a 2.0 grade average and no course grade lower than a C. The certificate will be awarded when completion of all requirements is verified after the semester the last course has been completed.

No more than 50% of the certificate credits may be through advanced standing.

## Curriculum

Courses	Credits	Hrs/week	
			Lec-Lab
10-154-189 Computer Hardware Essentials.....	3		2-2
10-154-191 A+ IT Technician.....	3		2-2
<b>Total</b>	<b>6</b>		

*Note:* All Information Technology courses require a grade of C or better in order to receive the certificate.

## Courses

### 10-154-189 Computer Hardware Essentials 3 credits

This course presents a comprehensive overview of computer fundamentals and an introduction to operating systems. Students completing through hands-on activities and labs, this course will be able to work with internal components of a computer, assemble a computer system, work with the basics of an operating system and get exposure to computer tasks such as installation, configuration, diagnosing, preventive maintenance and basic networking and operating systems. CompTIA's A+ Certification is a widely accepted IT industry standard certification for PC technology. This course prepares students for CompTIA's A+ Essentials exam (CompTIA A+ exam 220-701). Prerequisite: Working knowledge of Microsoft Windows (computer literacy, proficiency with a mouse, file management).

### 10-154-191 A+ IT Technician 3 credits

This course presents an advanced exposure to computer operating systems and hardware. Students learn the functionality of operating systems and hardware components as well as suggested best practices in support roles. Through hands-on activities and labs, students learn how to configure a computer, install operating systems and computer software, and troubleshoot hardware problems. This course prepares students for CompTIA's A+ Practical Application exam (CompTIA 220-702) Prerequisite: 10-154-189 Computer Hardware Essentials.

*More detailed and updated information on this program may be available at: [madisoncollege.org](http://madisoncollege.org). The college reserves the right to make changes in the regulations and courses announced in this publication without notice.*

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