



**Cisco**  
**Academy** *for the*  
**Vision**  
**Impaired**



**Association**  
**for the Blind of WA**  
Guide Dogs WA



[www.ciscovision.org](http://www.ciscovision.org)

## Cisco Academy for the Vision Impaired (CAVI)



**THE FUTURE IS YOURS.  
GAIN THE KNOWLEDGE AND GET THE SKILLS  
FOR A HIGH-TECH CAREER TODAY.**

Students interested in expanding their IT knowledge or starting a career in the high-tech industry will find what they are looking for in the Cisco Networking Academy Program at the Association for the Blind of Western Australia. Not only will students have access to IT content written by a team of IT education experts, they will also be exposed to a rich learning experience through online media and hands-on labs. The Academy program includes web-based courses complete with engaging activities such as animated simulations, video, and interactive quizzes, along with valuable hands-on lab exercises for real world experience.

### Background

In 2007 the first CISCO training academy for people who are blind or vision impaired (CAVI) was established in Australia by Curtin University and the Association for the Blind of Western Australia, with funding provided by the Department of Employment and Workplace Relations in Australia. It is the first of its kind in the world.

The Academy operates from within the Industry Skills Centre at the Association for the Blind and provides the option of attending formal classes for local students, or participating online. For students participating in live lectures online, a microphone headset is required. These can be purchased at most electronics stores, or online. Training is delivered in a format that is accessible to people with vision impairment.

### Entrance requirements

To be eligible for entry to training, you must have reasonable literacy skills (equivalent English at age 16 years) and be able to use assistive technology to access a computer. Assistive technology skills must be well developed to ensure that you are able to fully utilise the online and electronic resources. You should be comfortable with accessing information from the World Wide Web and be able to read long documents.

Upon application to the Academy, an instructor will contact you to check the configuration of your computer to ensure that you have the ability to access the training resources.

Association for the Blind of Western Australia &  
Guide Dogs Western Australia  
61 Kitchener Avenue, Victoria Park, WA, 6100 Australia

Department of Electrical & Computer Engineering  
Curtin University of Technology  
PO Box U1987, Perth WA 6845 Australia  
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## Content

The Academy currently has four courses available in an accessible format:

- IT Essentials: PC Hardware and Software

This course provides a comprehensive overview of computer fundamentals and an introduction to advanced concepts. It is intended for people who wish to pursue careers in IT and gain practical knowledge of how a computer works. At the end of this course, you should be able to:

- Describe the internal components of a computer
- Assemble a computer system
- Install an operating system
- Troubleshoot using system tools and diagnostic software
- Connect computers to the Internet
- Share resources in a networked environment

- CCNA Discovery

This curriculum teaches networking covering the types of practical networks students may encounter, from simple home or small office networks to more complex enterprise models. Students learn the technical skills and soft skills need to succeed in entry-level networking professions such as a network installer, help desk technician, pre-sales support technician or network technician. CCNA Discovery also provides an introduction to advanced technologies such as voice, video, wireless and security. The curriculum is composed of four courses:

- Networking for Home and Small Businesses
- Working at a Small-to-Medium business or ISP
- Introducing Routing and Switching in the Enterprise
- Designing and Supporting Computer Networks

- Intro to Linux administration for the vision impaired:

- This course introduces server-based Linux systems administration for vision impaired users.

- Students will learn how to install and configure a Ubuntu server system and install and configure a number of server based programs such as webserver,

- email and a wiki.

- The introduction to Linux systems administration from a vision impaired person's perspective course aims to take a student from what is Linux to installing

- and using a Linux-based server system via ssh. Some of the areas covered include:

- \* Introduction to linux

- \* Planning for Linux installation

- \* Using terminal emulation software.



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- \* Disk partitioning and volume management with LVM and raid.
  - \* Installing Linux onto a virtual or real machine accessibly.
  - \* Initial server configuration tasks.
  - \* accessing documentation easily.
  - \* installation and configuration of a webserver.
  - \* installation of dns and an email server.
  - \* installation of a simple Wiki.
  - \* Student suggested tasks.
- CCNA Exploration  
This is an advanced networking curriculum consisting of both theoretical and hands-on aspects.

More information can be found at both the Cisco Vision web site: [www.ciscovision.org](http://www.ciscovision.org) and the CUCAT web site: [www.cucats.org](http://www.cucats.org)

### **2012 Timetable**

The academic year is split into two Semesters:

Semester 1 - Wednesday February 1 to Friday July 6

Semester 2 - Wednesday July 27 Friday December 20.

### **Fees**

On acceptance of enrolment, students will be invoiced US\$500 per course per semester to study with CAVI. Scholarships are available for students who pay for courses out of pocket, and are not receiving vocational services. Eligibility for scholarships is assessed upon application to the academy, and no further action needs to be taken by the student upon eligibility.

### **Application for enrolment**

Application for entry to study with CAVI must be made by completing an application form. Final date for submission of applications is Friday February 3, 2012.

If you would like an application form please email: [caviinfo@ciscovision.org](mailto:caviinfo@ciscovision.org)

You will be given a link to download an application in word format.

If you have trouble retrieving the application please email us for assistance.

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