

Mathematicians

Job Outlook:

About as fast as the average

Annual salary :

\$71,930 to \$118,100

Hourly rate:

\$46.36

Length of training:

Four to eight years

AREAS OF SPECIALIZATION

- *Computer scientists*
- *Database administrators*
- *Network systems data communications analysts*
- *Telecommunications specialists*
- *Web designers*
- *Webmasters*

EDUCATION AND TRAINING

While there is no universally accepted way to prepare for a job as a network systems analyst, computer scientist, or database administrator, most employers place a premium on some formal college education. A bachelor's degree is a prerequisite for many jobs; however, some jobs may require only a 2-year degree. Relevant work experience also is very important. For more technically complex jobs, persons with

Computer Scientist/ Database Administrator

The rapid and widespread use of computers and information technology has generated a need for highly trained workers proficient in various job functions. These computer specialists include computer scientists, database administrators, network systems and data communication analysts. Job tasks and occupational titles used to describe these workers evolve rapidly and continually, reflecting new areas of specialization or changes in technology, as well as the preferences and practices of employers.

graduate degrees are preferred. Most computer scientist positions require a Ph.D. degree, as their main job function is research. Computer scientists having only a bachelor's or master's degree are generally limited in their ability to advance.

WORK ENVIRONMENT

Computer scientists and database administrators normally work in offices or laboratories in comfortable surroundings. They typically work about 40 hours a week, the same as many other professional or office workers. However, evening or weekend work may be necessary to meet deadlines or to solve specific problems.

Telecommuting is increasingly common for many computer professionals as networks expand, allowing more work to be done from remote locations through modems, laptops, electronic mail, and the Internet. However, some work still must be done in the office for security or

other reasons. Like other workers who spend long periods in front of a computer terminal typing on a keyboard, computer scientists and database administrators are susceptible to eyestrain, back discomfort, and hand and wrist problems such as carpal tunnel syndrome or cumulative trauma disorder.

PROFESSIONAL ASSOCIATIONS

The Computing Research Association
<http://www.cra.org>

Computer Science Graduate Student Association
<http://csgsa.cs.tamu.edu>

