CYBER VILLAGE

What can I do with a degree in ...

Computer Science

The primary goal of the Computer Science Program at Morehouse is to prepare students for graduate studies in computer science, as well as entry into the workforce as a computer professional at the highest level possible. The program has a continued commitment to develop students that possess fundamental appreciation for computing issues. Because computers will continue to be of central importance to society, the Computer Science Program emphasizes the acquisition of marketable knowledge and skills for professional careers, in areas such as computer systems, programming languages, software engineering, and databases.

The Computer Science Program has been designed to provide a broad introduction to the field, within the context of a liberal arts education. The program is sensitive to the fluid nature of the field of computer science and is flexible enough to respond to the rapidly-changing developments in the field. While majors will share many of the same courses, the liberal arts orientation of the program is intended to permit the student the opportunity to design a specific course study that suits his particular interests.

Job Types

PROGRAMMING

Systems
Scientific Applications
Business Applications
  -Intelligence
  -Warehousing
Information Delivery
  -Maintenance
Project Management

Where to find them

Computer vendors
Software and computer companies
Any large organization
  including: Banks, retail chains, manufacturers, universities, and governmental agencies
Management consulting firms
Contract and temporary employers
Research laboratories

Ways to Prepare

- Gain relevant experience through internships or co-ops.
- Develop an attention to detail and a flair for creativity.
- Learn to work well within a group and to meet deadlines.
- Supplement computer degree with courses in business, science, or engineering.
- Stay current on programming languages.
- Earn a master's degree for upper level positions.
- Seek the Certified Computing Professional designation by completing a series of exams and experiential requirements.

Job Types

SYSTEMS DEVELOPMENT

Analysis
Design
Support
Quality Assurance
Specialty Systems
  -Database
  -Client-Server
  -Expert

Where to find them

Banks and financial institutions
Insurance companies
Consulting firms
Manufacturers
Local, state, and federal government
Computer companies
Research institutions

Ways to Prepare

- Develop strong interpersonal skills, and to communicate effectively with technical and non-technical colleagues.
- Gain programming experience. Many analysts begin their careers as programmers.
- Become and effective problem solver.
- Take business courses. Earn an M.B.A. degree for advanced positions.
- Plan to continually educate self on new computer languages and technology.

Students should consult with a departmental advisor on their course selections after they decide to become Computer Science majors. The goal is to make a coherent selection of lower and upper division courses.

Job Types

NETWORK TECHNOLOGY
Installation and maintenance
Administration

Where to find them

Variety of organization and industries

Ways to Prepare

- Work in university computer labs.
- Develop good communication skills and interest in helping others.
- Gain knowledge in a variety of computer areas, including minor programming, software, and hardware.
- Stay abreast of the latest technology and software.
- Earn certifications in networking and computer security.

Job Types

INTERNET
Programming
Software Design
Systems Analysis
Hardware Production
Web Page Design

Where to Find Them

Network access points
Backbone operators
Online service providers
Internet service providers
Computer/equipment vendors
Internet-related companies including:
-Browsers
-Search Engines
-Website design services
Large businesses

Ways to Prepare

- Gain experience as a webmaster through part-time jobs, internships, or volunteering to design web pages for student organizations.
- Learn web-related programming languages.
- Take graphic design courses to develop creativity.
- Learn to communicate and work well with others in a team by participating in group projects or student organizations.
- Earn a master's degree in computer science for advanced opportunities in programming, analysis, or hardware/software design.

Job Types

CONSULTING
System Installation
System Implementation
Training

Where to Find Them

Consulting firms
Self-employed

Ways to Prepare

- Obtain a strong technical knowledge of computers, a background in business management, and experience as a systems analyst.
- Learn various programming languages and operating systems.
- Develop exceptional analytical and interpersonal skills.

Job Types

EDUCATION
Teaching
Instructional Technology

Where to Find Them

Public and private Schools
Colleges and universities

Ways to Prepare

- Obtain appropriate license and/or certification for public school teaching positions.
- Earn a doctoral degree in computer science for post-secondary teaching.
- Earn a graduate degree in information technology for a related field for instructional technology.
- Develop a research specialty for university teaching.
- Gain experience working with other students through tutoring or positions in computer labs.
- Develop excellent written and oral communication skills.
- Take courses in public speaking
- Learn to work with all types of people

Job Types

NON-TECHNICAL
Customer/Product Support
Technical Writing
Sales and Marketing

Where to Find Them

Software/hardware manufactures
Retail stores
Software vendors

Ways to Prepare

- Develop excellent communication skills and an interest in helping customers solve problems.
- Work in university computer labs.
- Supplement curriculum with technical writing courses to develop skills.
- Seek related work experiences.

The field of computer science is constantly changing, and the information listed above does not exhaust possible career options. Be sure to speak with your department chair or academic advisor for further guidance on course selections, as well as career planning.