

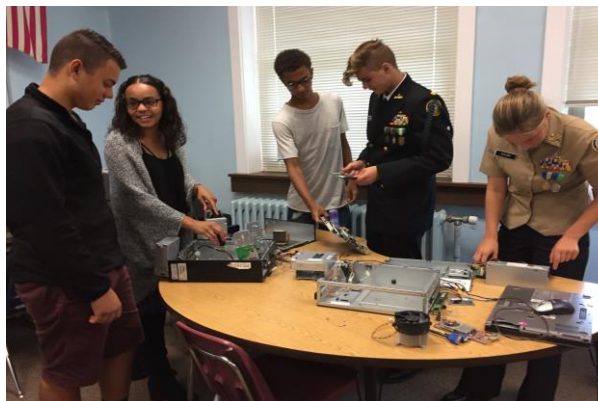
Suggested Schools To Research

Adelphi University (NY)
Carnegie Mellon University (PA)
Columbia University (NYC)
Cornell University (NY)
CUNY, BMCC (NYC)
CUNY, Brooklyn College (NYC)
CUNY, City College (NYC)
CUNY, College of Staten Island (NYC)
CUNY, Hunter College (NYC)
CUNY, Kingsborough CC (NYC)
CUNY, LaGuardia CC (NYC)
CUNY, NY City Tech (NYC)
CUNY, Queens College (NYC)
Drexel University (PA)
Hofstra University (NY)
Lehigh University (PA)
LIU/Post (NY)
MIT (MA)
New Jersey Institute of Tech (NJ)
New York University (NYC)
Northeastern University (MA)
Penn State University (PA)
Princeton University (NJ)
Rensselaer Polytech Institute (NY)
Rochester Institute Tech (NY)
Stevens Institute of Tech (NJ)
SUNY Albany (NY)
SUNY Alfred State (NY)
SUNY Binghamton (NY)
SUNY Brockport (NY)
SUNY Buffalo (NY)
SUNY Morrisville (NY)
SUNY Polytechnic Institute (NY)
SUNY Stony Brook (NY)
Syracuse University (NY)
Univ. of Mass/Amherst (MA)
University of Michigan (MI)
University of Pennsylvania (PA)
University of Virginia (VA)



For Additional Information

- **American Academy of Forensic Sciences**
Tel: 719-636-1100
www.aafs.org
- **Association for Computing Machinery (ACM)**
Tel: 800-342-6626
www.acm.org
- **Association for Information Systems (AIS)**
Tel: 404-413-7444
www.aisnet.org
- **Institute of Electrical and Electronic Engineers (IEEE)**
Tel: 212-419-7900
www.ieee.org
- **International Game Developers Association**
Tel: 856-423-2990
www.igda.org



Explore Computer & Information Science



**New Utrecht High School
College Office**

Types of Computer & Information Science Programs

- Computer Forensics
- Computer Programming
- Computer Science
- Game Design
- Information Systems
- Information Technology



What is it about?

- ✚ The central focus in Computer and Information Science is the processes of handling, manipulating, and communication information.
- ✚ Computer Science provides a foundation in the theory and design of computer systems. This major adds an understanding of the way people represent, store, communicate, and access information and technologies.
- ✚ Computer Science majors learn how to program, design, analyze algorithms to solve programs and evaluate the performance of computer hardware and software.
- ✚ Computer Science is about learning how we use technology and what we find out when we use it. It is about problem solving and targeting efficient solutions to problems in new settings.

You might consider this major if you are good at/like:

- ✚ Attention to detail
- ✚ Creativity
- ✚ Critical reading/thinking
- ✚ Communication skills
- ✚ Math and Science
- ✚ Organizing
- ✚ Patience
- ✚ Quantitative analysis
- ✚ Researching
- ✚ Team work
- ✚ Writing Skills

Recommended High School Prep

- ✚ English
- ✚ Algebra, Trigonometry, Geometry
- ✚ Social Studies
- ✚ Physics
- ✚ Foreign Language
- ✚ Computer, Computer Science and Applications, and/or Programming courses

*These are courses that will be valuable to you prior to applying for computer and information science programs.



What program should I apply to?

Consider the following when researching and selecting college program(s):

- Academic admissions criteria, SAT/ACT scores, location, environment, tuition fees, financial aid, school size, curriculum, etc.
- Is there adequate lab facilities? Do you have access to the internet and computer networks you'll need? Will you have to invest in hardware and software?
- Are there research or internship opportunities?



Career Trends

* Career trends vary based on program interest. Careers listed are not limited to the following:

- Digital Forensics/Analyst/Technologist
- Information Systems Security Officer
- System Analyst
- System Engineer
- Database Analyst
- Computer Programmer
- Web Developer/Administrator
- Technician
- Software Operator
- Game Designer, Game Producer
- Game tester, Game Sound Designer