

## Welcome to Columbia College

- Columbia College is accredited by the Accrediting Council for Independent Colleges and Schools (ACICS) to award associates Degrees and certificates.
- Columbia College is also accredited by the Council on Occupational Education (COE) to award certificates and associates Degrees.
- Columbia College has been certified by State Council of Higher Education for Virginia (SCHEV) to operate in Virginia.
- Financial Aid is available for those who qualify.
- Approved for the training of Veterans

## Mission

Columbia College provides high-quality, relevant, and varied educational programs and opportunities for the intellectual, cultural, and personal growth of all members of its community. The College values its role as an educational institution, embracing change and responding to the complex needs of those it serves.

## Why Columbia College?

1. Nationally Accredited – ACICS and COE
2. Financial Aid is available to those who qualify.
3. Certified School for I-20 Issuance – F-1/M-1 Students
4. CPT and OPT Available for International Students
5. J-1 Exchange Visitor + Internship Program Available
6. Convenient Class Schedule - Morning & Evening
7. Outstanding Curriculum and Faculty
8. Competitive Tuition
9. Easy to Access  
– Three Locations in Washington Metropolitan Area
10. Student First

## Grab your Future

@Columbia College

### Main Campus (Tysons)

8620 Westwood Center Drive  
Vienna, VA 22182  
(703) 206-0508

### Centreville Extension

5940 Centreville Crest Lane  
Centreville, VA 20121  
(703) 266-0508

### Silver Spring Extension

12125 Veirs Mill Road  
Silver Spring, MD 20906  
(301) 929-0565

**STUDENTS** first

# Computer Science

- Associate Degree



Rev. 09/16



Tysons, Virginia

1 (877) 307 - CCDC(2232)  
admissions@ccdc.edu

[www.facebook.com/ccdc.edu](http://www.facebook.com/ccdc.edu)  
[blog.naver.com/ccdc1999](http://blog.naver.com/ccdc1999)

[www.ccdc.edu](http://www.ccdc.edu)

*Challenge to Succeed*



Copyright © Columbia College All rights reserved.

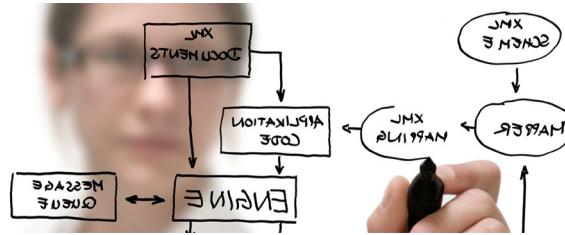
# Computer Science

## Associate Degree

This 92-credits program is designed to prepare students for industry standards in networking and information technology careers and related business trades. This curriculum includes courses on a variety of operating systems web publishing programming network security and much more. Fast-paces, online, Microsoft based courses are also offered to students who can be employed as computer professionals.



“ Grab Your Future ”



## About Computer Science Program

- 92 credit AAS Degree Program
  - Offers the comprehensive theories and practices of business operations, giving you a foundation of knowledge you can put to work in many different career paths
- High-Quality Curriculum
  - Accredited by Accrediting Council for Independent Colleges and Schools (ACICS) & Certified to operate by State Council of Higher Education for Virginia (SCHEV)
- Keeping Up-to-date Knowledge, Expertise and Skills
  - Membership in Microsoft IT Academy / CompTIA Academy
  - Operating Authorized Testing Center: PEARSON VUE, PROMETRIC, CERTIPORT, and Pan Testing
- Professional instructors who has outstanding knowledge and hand-on skills.
- Variety of Experience
  - Field trips and Guest Speaker sessions

## Computer Science Prospects

- The job opportunity in Computer Science and IT field is focused on candidates' hands-on skills than degree. The entry level of median annual wage for computer network support specialists who can start after graduating their AAS degree in Computer Science and IT was \$59,090 in May 2012.
- Most computer support specialists have full-time work schedules which is important for all businesses.
- Employment of computer support specialists is projected to grow 17 percent from 2012 to 2022, faster than the average for all occupations. More support services will be needed as organizations upgrade their computer equipment and software. Computer support staff will be needed to respond to the installation and repair requirements of increasingly complex computer equipment and software.

## Course List

Number	Course	Credits
CPS149	Windows Operating System Fundamentals	4
CPS161	Software Development Fundamentals	4
CPS162	Windows Development Fundamentals	4
CPS163	Web Development Fundamentals	4
CPS164	Database Administration Fundamentals	4
CPS165	Windows Server Administration Fundamentals	4
CPS166	Networking Fundamentals	4
CPS167	Security Fundamentals	4
CPS172	Microsoft .NET Fundamentals	4
CPS173	Mobile Development Fundamentals	4
CPS174	Gaming Development Fundamentals	4
CPS175	HTML5 Application Development Fundamentals	4
CPS181	CompTIA A+ I	4
CPS182	CompTIA A+ II	4
CPS210	Installing and Configuring Windows Server 2012	4
CPS211	Administering Windows Server 2012	4
CPS212	Configuring Advanced Windows Server 2012 Services	4
CPS261	Querying Microsoft SQL Server 2012	4
CPS262	Administering Microsoft SQL Server 2012 Databases	4
CPS263	Implementing a Data Warehouse with Microsoft Server	4
CPS280	Programming in HTML5 with JavaScript and CSS3	4
CPS283	Programming in C#	4
<b>► Total Required Core Credits</b>		<b>68</b>
BIO102	Introduction to Biology	4
CPS101	Introduction to Computer Science	4
CRT101	Critical Thinking	4
ENG101	English Composition	4
MAT101	Algebra	4
MAT201	Pre-Calculus	4
PSY101	Introduction to Psychology	4
SOC101	Introduction to Sociology	4
SPN101	Introduction to Spanish I	4
SPN102	Introduction to Spanish II	4
<b>► Total Required General Credits</b>		<b>24</b>
<b>► Total Required Credits</b>		<b>92</b>