

Welcome to Columbia College

- Columbia College is 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 – 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 (703) 206 - 0508
admissions@ccdc.edu

www.facebook.com/ccdc.edu
blog.naver.com/ccdc1999

www.ccdc.edu

Challenge to Succeed



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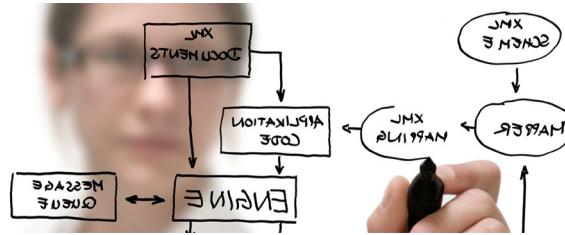
Computer Science

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
 - 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
CPS150	Fundamentals of Information Technology	4
CPS161	Software 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
CPS170	Hardware, Software & Troubleshooting Computers	4
CPS172	Microsoft.NET Fundamentals	4
CPS173	Mobile Development Fundamentals	4
CPS174	Gaming Development Fundamentals	4
CPS175	HTML5 Application Development Fundamentals	4
CPS181	IT Infrastructure I (CompTIA A+)	4
CPS182	IT Infrastructure II (CompTIA A+)	4
CPS190	Introduction to Information Systems	4
CPS200	Business Computer Applications	4
CPS222	Introduction to IT Infrastructure Management	4
CPS261	Querying SQL Server	4
CPS280	Advanced Web Development	4
CPS283	Object – Oriented Programming	4
CPS290	Programming Language concepts	4
CPS292	Introduction to Unix	4
► Total Required Core Credits		68
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
► Total Required General Credits		24
► Total Required Credits		92