

2020-2021 Course Catalog



Proud partnerships with:



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About Urban Ed- Building Community

In September 2015, Urban Ed started the expansion of our IT training to scale it up, broaden our reach and impact more lives. Part of our strategy to do this was to partner with Cisco Systems who has been a force for change in the global economy since 1997, enhance on our existing partnership with uCertify and developed a new partnership with Amazon Web Services (AWS) in 2017 and Salesforce in 2018. New partnerships in 2020 include uDemy for Business.

Urban Ed is also a Cisco Networking Academy partner, part of more than 9,000 institutions in 170+ countries that prepares students for successful careers in a connected world.

uCertify is specifically designed to deliver Higher Ed, vocational, corporate, and workforce development and readiness training programs to diverse audiences with different proficiency levels. It offers a cloud-based and device-enabled teaching and learning management platform for online, anywhere, anytime, competency-based learning. uCertify partners with 500+ schools and has 2 million customers in 195 countries worldwide and have supported Urban Ed for over 10 years.

With the increasing demand for cloud employees, AWS Educate provides an academic gateway for the next generation of IT and cloud professionals. AWS Educate is Amazon's global initiative to provide students and educators with the resources needed to accelerate cloud-related learning endeavors. Urban Ed is aligning with Amazon to open up a powerful career pathway to the number of cloud jobs in demand. In addition to Amazon, new this year will be the introduction of Microsoft Azure and Google Cloud, two other in-demand cloud occupations that many companies also utilize.

Urban Ed is grounded in neighborhoods most in need and serving those with multiple barriers and challenges to employment, yet have a strong desire to navigate entry into the high-paying IT field. Located in the Anacostia neighborhood in the District of Columbia, Urban Ed's mission is to provide District of Columbia children, youth and



adults with technology-driven education, information and skill development for sustained futures.

We carry out our mission by addressing current community issues and getting to root causes by working with young/adults, teens, middle school youth and our Lil Bitties (children 5-7 years of age). Technology education is central to everything we do at Urban Ed.

About the STEM Acad- Get Ready to Work

Urban Ed's **STEM Acad** prepares students for a rewarding career in a connected world. We help students learn what they need to know to become certified and go to work.

- **Courses:** Study the latest networking, security, and cloud technologies and practice what students learn via hands-on labs and using simulation tools.
- **Certification:** Prepare for a professional certification recognized by employers worldwide.
- **Career Pathways:** Connect to a global community of employers and alumni to find a job.

We offer both classroom and online courses covering entry-level and associate-level Cisco certification content as well as AWS, Microsoft, Google, & CompTIA certification content. New this year will be the addition of additional computer programming courses and artificial intelligence & machine learning training. Urban Ed is an approved Cisco Networking Academy, an AWS partner, and an authorized CompTIA Education to Careers Academy giving the organization an elite advantage over most community-based schools. Urban Ed is also an authorized Pearson Vue global testing center where students can take their industry exam onsite at our facility.

Urban Ed is located within the Anacostia Professional building with a state of the art 2300 square foot facility. We have two computer labs with the latest technology to include virtualization and touch screen technology.

Urban Ed's **STEM Acad** is licensed under DC Law 1-104 Higher Education Licensure Commission, Title 38, Chapter 13.



Enroll in a Course

Through our partnerships with the AWS, Cisco, uCertify, uDemy for Business, and CompTIA academies, Urban Ed works with educators and employers worldwide to identify job trends and shape local programs like our **STEMAcad** to get students hired. Most courses of study fall between a 8 to 16 week period with students meeting at least 2 full days a week for classroom training and at a guided pace for online learning. See the courses schedule on page 15 for exact timeframes. Generally the **STEMAcad** program has three classroom course terms throughout the year, a winter, spring and fall term. These terms are as follows:

- Winter term (second Tuesday in Jan)
- Spring term (first Tuesday in May)
- Fall term (first Tuesday in Sep or Oct)
Check the schedule for other possible terms & changes
- Online courses are ongoing and enrollment is monthly

Join the elite team by taking a course at Urban Ed's **STEMAcad**. Before taking any course at Urban Ed, learners should have the minimum prerequisites:

- Basic computer literacy
- Basic Internet usage skills
- Basic PC operating system navigation skills
- GED/HS Diploma
- Currently only local District-Maryland-Virginia (DMV) resident applications accepted

See pages 16-19 for more details on enrollment requirements and eligibility.



Explore the Possibilities

The next wave of innovation will create many opportunities for creative, tech-savvy people everywhere. Whether students have always been passionate about technology or just discovered IT, for those who sign up – their future starts here.





Career Pathways to Today's IT Jobs

Each year thousands of jobs go unfilled because employers cannot find skilled talent. There are plenty of employment opportunities in the DC area. Let Urban Ed help you get started on a path to these jobs. Review this course catalog to learn more about the courses that map to strong career pathways.



Career Pathway Descriptions

Certification/Certificate Courses currently offered at Urban ED

- ✓ AWS Cloud Practitioner
- ✓ AWS Solutions Architect-Associate
- ✓ CCNA *(new 2020 version)*
- ✓ CCNP Security *(new 2020 version)*
- ✓ CPA: Essentials in C++
- ✓ CySA+
- ✓ Cisco CyberOps
- ✓ Google Cloud Engineer *(associate)*
- ✓ HDI-CSR
- ✓ Intro to Cybersecurity
- ✓ IT Essentials (A+)
- ✓ JAVA Associate
- ✓ Microsoft Azure Admin
- ✓ NDG Linux Essentials
- ✓ NDG Linux I & II
- ✓ Network +
- ✓ Python Essentials
- ✓ Salesforce Administrator
- ✓ ServiceNow Certified
- ✓ Splunk Enterprise Certified Admin
- ✓ Security +
- ✓ Tableau Desktop Certified Associate



Industry Classification: Hardware, Services & Infrastructure

Career → Technical Support

Students that like fixing things, are constantly learning, and appreciate an elegant solution to a complex problem, might like jobs in tech support. Support providers are good at solving problems, friendly, and easy to talk to. People who work in support become experts in their product or support area so it's a good path to advancement. Their default expression is a smile.

Job Titles:

Help Desk Operator, Support Technician, Support Engineer, Network Support Technician, Network Support Engineer

Course Categories:

- ✓ IT Essentials (A+)
- ✓ CCNA
- ✓ HDI-CSR
- ✓ ServiceNow
- ✓ Splunk

Industry Classification: Networking & Cloud Technologies

Career → Network & Systems Administration

People who see the big picture and care about the details are systems thinkers. Systems may include any combination of computers, devices, software, networks, as well as people, business functions and operations. Be ready to communicate plans, collaborate with colleagues, create a budget, and build a team.

Job Titles:

Network Administrator, Network Designer, Network Engineer, Solution Provider, Cloud Architects, DevOps Engineer, Solution Architects, Cloud Practitioner Associate

Course Categories:

- ✓ AWS
- ✓ CCNA
- ✓ Google
- ✓ Microsoft
- ✓ Network +
- ✓ Salesforce Admin



Industry Classification: Information Security

Career → Security Administration

A security specialist has to stay up-to-date on technology and discover weak spots before someone else does. They enjoy solving complex problems, and are able to document and communicate about their work.

Job Titles:

Security Administrator (infrastructure, data, and applications), Network Security Architect, Network Security Engineer, Network Security Specialist

Course Categories:

- ✓ Intro to Cybersecurity
- ✓ CCNP Security
- ✓ Security+
- ✓ CyberOps
- ✓ CySA+
- ✓ Splunk

Industry Classification: Software Development

Career → Software Development

Those who like to analyze every situation from all the angles to get the best outcome and are passionate about learning new approaches and contributing to innovative initiatives will enjoy a career in software development. Students that enjoy the challenge of putting the pieces together to address a need should consider this course training.

Job Titles:

Application Developer, Software Developer, Software Engineer, Web Developer, Linux Administrator

Course Categories:

- ✓ CPA: Essentials in C++
- ✓ Linux
- ✓ AWS
- ✓ JAVA
- ✓ Python



Courses of Study Summary & Scheduling

Urban Ed, Inc.											
Courses of Study 2020-2021											
<i>*schedule subject to change - **sorted by start date</i>											
Career Path	Courses	Course duration	Delivery method	Skill level	Prerequisites <i>(recommended)</i>	Offering	Weeks	Start	Days	Times	Portal
IT Support & Digital Transformation											
	IT Essentials (A+)	100 hrs	Classroom/Online	Beginner	Intro to Cybersecurity	Fall120 & Ongoing	16	Oct 5'	W & Th	9am-3pm	UrbanEd uCertify
	ServiceNow Sys Admin	70 hrs	Mentored Online	Beginner	Intro to Cybersecurity	Fall120 & Ongoing	12	Oct 5'		guided self-paced	UrbanEd uDemy
	Splunk Enterprise Admin	70 hrs	Mentored Online	Beginner	Intro to Cybersecurity	Fall120 & Ongoing	12	Oct 5'		guided self-paced	UrbanEd uDemy
	Tableau Desktop Specialist	60 hrs	Mentored Online	Beginner	Intro to Cybersecurity	Fall120 & Ongoing	12	Oct 5'		guided self-paced	UrbanEd uDemy
Networking & Cloud Technology											
	CCNAv7	200 hrs	Classroom	Intermediate	IT Essentials	Fall120 & Ongoing	24	Oct 5'	M & Tu	9am-3pm	UrbanEd Cisco
	Network+	50 hrs	Mentored Online	Intermediate	IT Essentials	Fall120 & Ongoing	12	Oct 5'		guided self-paced	UrbanEd uCertify
	AWS Cloud Practitioner Essentials	30 hrs	Mentored Online	Beginner	IT Essentials	Fall120 & Ongoing	8	Oct 5'		guided self-paced	UrbanEd uDemy
	AWS Solutions Architecture	50 hrs	Mentored Online	Intermediate	AWS Cloud Practitioner	Fall120 & Ongoing	12	Oct 5'		guided self-paced	UrbanEd uDemy
	Google Cloud Engineer	70 hrs	Mentored Online	Beginner	IT Essentials	Fall120 & Ongoing	12	Oct 5'		guided self-paced	UrbanEd uDemy
	Microsoft Azure Fundamentals	70 hrs	Mentored Online	Intermediate	IT Essentials	Fall120 & Ongoing	12	Oct 5'		guided self-paced	UrbanEd uDemy
	Salesforce	70 hrs	Mentored Online	Beginner	None	Fall120 & Ongoing	12	Oct 5'		guided self-paced	UrbanEd uDemy
Cybersecurity											
	Cisco CyberOps	50 hrs	Mentored Online	Intermediate	IT Essentials or Network+	Fall120 & Ongoing	8	Oct 5'		guided self-paced	UrbanEd Cisco
	CySA+	70 hrs	Mentored Online	Intermediate	Security+	Fall120 & Ongoing	12	Oct 5'		guided self-paced	UrbanEd uCertify
	CCNP Security	70 hrs	Classroom	Intermediate	CCNA	Fall120 & Ongoing	12	Oct 5'	M & Tu	9am-3pm	UrbanEd Cisco
	Intro to Cybersecurity	15 hrs	Mentored Online	Beginner	None	Fall120 & Ongoing	2	Oct 5'		guided self-paced	UrbanEd Cisco
	Security+	70 hrs	Mentored Online	Intermediate	IT Essentials or Network+	Fall120 & Ongoing	12	Oct 5'		guided self-paced	UrbanEd uCertify
Software Dev											
	C++ Essentials	50 hrs	Mentored Online	Beginner	None	Fall120 & Ongoing	8	Oct 5'		guided self-paced	UrbanEd uDemy
	Java Associate	50 hrs	Mentored Online	Beginner	None	Fall120 & Ongoing	8	Oct 5'		guided self-paced	UrbanEd uDemy
	Linux Essentials	70 hrs	Mentored Online	Beginner	None	Fall120 & Ongoing	8	Oct 5'		guided self-paced	UrbanEd Cisco
	Linux I	70 hrs	Mentored Online	Intermediate	Linux Essentials	Fall120 & Ongoing	12	Oct 5'		guided self-paced	UrbanEd uDemy
	Linux II	70 hrs	Mentored Online	Intermediate	Linux I	Fall120 & Ongoing	12	Oct 5'		guided self-paced	UrbanEd uDemy
	Python Programmer	50 hrs	Mentored Online	Beginner	Basic math	Fall120 & Ongoing	8	Oct 5'		guided self-paced	UrbanEd uDemy
Enhancement (professional dev) skills											
	HDI-CSR	20 hrs	Online	Beginner	IT Essentials or work experience	Fall120 & Ongoing	4	Oct 5'		guided self-paced	UrbanEd uDemy
	Packet Tracer 101	10 hrs	Online	Beginner	None	Fall120 & Ongoing	2	Oct 5'		guided self-paced	UrbanEd Cisco



Enrollment Requirements

To be enrolled in the STEM Acad program, potential candidates must:

1. Complete an Application for Enrollment which includes submitting an enrollment essay
2. Complete an enrollment interview
3. Submit all required supporting documentation
4. Receive written confirmation of enrollment acceptance from Urban Ed

Application for Enrollment

Applications must be submitted online using Urban Ed’s online system or in person. Applications can be submitted at any time throughout the year; however, the best times to submit are during the open enrollment periods which generally fall about 45 days before the upcoming training cycle. The enrollment team will begin the review process only during the open enrollment periods.

Applicant Rating

Urban Ed’s enrollment/intake team will review all applications, essays, and assessment results to determine a candidate’s suitability and readiness for its program. Candidates are rated on specific criteria that is a rating system utilized for all candidates. The criteria are as follows:

<u>RATING SYSTEM</u>	<u>MAXIMUM POINTS ALLOWED</u>
DMV Resident	25
Info Session	15
Assessments	10
Interview	10
Essay Submitted	10
HS Graduate/Diploma/GED	10
Low-Income	10
Previous work experience and/or training related to the occupation	5
References	5
Qualifying Score: 75	Maximum Score: 100