Student Catalog Addendum

This catalog addendum amends the Tuition and Fee Schedule on pages 86, Admissions Information on pages 10-11, and Academic Calendar on pages 5 and 88, of the 2020 Student Catalog Rev 2-2020. In addition, the addendum adds the Cloud & Cybersecurity Administrator Program to NCE's Programs of Study.

Tuition and Fee Schedule

New Tuition and Fee Schedule
Effective for all program start dates on or after 3/1/2021

PROGRAM	TUITION	REG. FEE	Books	Uniforms	Supplies	STUDENT TUITION RECOVERY FUND (1)	TOTAL
Cloud & Cybersecurity Administrator	$14,025.00	$75.00	$100.00	N/A	$865.00	$ 0.00	$15,065.00
Commercial Refrigeration, Heating and Air Conditioning	$14,280.00	$50.00	$45.00	$200.00	$600.00	$ 0.00	$15,175.00
Electrician	$14,490.00	$50.00	$230.00	$200.00	$750.00	$ 0.00	$15,720.00
Lab Assistant, EKG Technician/Phlebotomist	$13,140.00	$50.00	$220.00	$50.00	$750.00	$ 0.00	$14,210.00
Medical Assistant	$12,240.00	$50.00	$155.00	$50.00	$735.00	$ 0.00	$13,230.00
Optical /Optometric Assistant	$12,110.00	$50.00	$270.00	$50.00	$785.00	$ 0.00	$13,265.00

(1) See School Catalog for disclosure information about Student Tuition Recovery Fund.

Prior Tuition and Fee Schedule
Remains effective for all program start dates before 3/1/2021

PROGRAM	TUITION	REG. FEE	BOOKS, SUPPLIES & UNIFORMS	STUDENT TUITION RECOVERY FUND (1)	TOTAL
Cloud & Cybersecurity Administrator	$14,025.00	$75.00	$965.00	$ 0.00	$15,065.00
Commercial Refrigeration, Heating and Air Conditioning	$14,030.00	$40.00	$397.00	$ 0.00	$14,467.00
Electrician	$14,155.00	$40.00	$800.00	$ 0.00	$14,995.00
Lab Assistant, EKG Technician/Phlebotomist	$12,577.00	$40.00	$648.00	$ 0.00	$13,265.00
Medical Assistant	$11,866.00	$40.00	$889.00	$ 0.00	$12,795.00
Optical /Optometric Assistant	$12,106.00	$40.00	$449.00	$ 0.00	$12,595.00
Ultrasound Technician/ Diagnostic Medical Sonographer*	$33,720.00	$40.00	$1,725.00	$ 0.00	$35,485.00

(1) See School Catalog for disclosure information about Student Tuition Recovery Fund.
NCE is not currently accepting enrollments for this program.

Admissions Information

To qualify for admission to NCE, all applicants must be at least 18 (or 17, with written parent or guardian approval, and must turn 18 before their expected NCE graduation date) and meet the following general requirements:
- Visit and tour the School.
- Complete a personal interview with a School admissions representative.
- Provide documentation of high school graduation, GED, or the equivalent, as described in the Admissions Section of the catalog.
- Show a valid Social Security Card.
- Show a valid government issued photo identification card or driver's license.
- Complete an enrollment agreement and other required enrollment paperwork.
- Attend a financial aid interview and complete required financial aid paperwork.
- Take the Wonderlic Scholastic Level Exam (SLE) and achieve the minimum acceptable score for their program of choice, as described later in this section.
- Students applying to programs offering distance education classes will complete a Distance Education Applicant Readiness Assessment and will receive the Distance Education System/Technology Requirements.

Admissions Requirements for Cloud & Cybersecurity Administrator Program
In addition to the general admissions requirements and procedures above, all prospective Cloud & Cybersecurity Administrator program students must meet **at least one** of these additional and expanded admissions requirements:
- Students must either provide documentation of attainment of **at least one** of the following industry-standard certifications:
  - CompTIA Network+
  - Microsoft MCSE
  - CompTIA Linux+
  - Cisco CCNA
  - Cisco CCNP
  - SolarWinds Certified Professional (SCP)
  - Wireshark (WCNA)
  - Juniper Enterprise Routing and Switching, Expert (JNCIE-ENT)

    OR

  - Provide documentation of three years of verifiable work experience as a network professional in a business environment and receive the approval of the Program Director after an interview.

Wonderlic Testing Information:
All applicants must take and pass the Wonderlic Scholastic Level Exam (SLE). Prospective applicants for admission to all diploma and certificate granting programs, with the exception of the Lab Assistant, EKG Technician/Phlebotomist program, must achieve the minimum acceptable score of 13, unless qualified to enter Three Weeks to Success Program (see Catalog Admissions Section for details). Prospective applicants for admission to the Lab Assistant, EKG Technician/Phlebotomist must achieve the minimum acceptable score of 15. Prospective applicants for admission to the Cloud & Cybersecurity Administrator program or an Associate of Applied Science program must achieve the minimum acceptable score of 18. The Three Weeks to Success Program is not available to prospective applicants for the Lab Assistant, EKG Technician/ Phlebotomist program, the Cloud & Cybersecurity Administrator program, or for Associate of Applied Science programs.

If the appropriate minimum score is not achieved, two re-tests may be given using an alternate test form. When extenuating circumstances occur, applicants scoring within one point of the minimum score after the re-tests may still be admitted at the President's discretion. In such cases the President may require additional information from the student which may include but is not limited to the form of an interview, written statement, and/or other means of explaining the student's extenuating circumstances and demonstrating their aptitude for the program.

CLOUD & CYBERSECURITY ADMINISTRATOR
Diploma Program – 720 Clock Hours, 36 Weeks
Hybrid Online Program

Program Overview:
The Cloud & Cybersecurity Administrator program resulting in a diploma prepares the student for advancement from entry and mid-level on-premise computer user and desktop support jobs to the more advanced cloud-based computer network support, security, and administration roles. The student will learn, engage, and practice skills in operating systems, applications, on-premise networks, cybersecurity, and cloud computing administration. In addition, students will learn to plan and carry out security measures to protect an organization's computer networks and systems. The program is dedicated to training students on the various facets of the professional network support specialists' duties including analysis, troubleshooting, testing, maintenance, and evaluation of existing on-premise local area networks (LAN), wide area networks (WAN), and on-cloud virtual private networks.

Educational Objectives:
- Prepare students for advancement from user, desktop, and small-network IT jobs to the more advanced on-premise and cloud network administration roles
- Provide students with on-premise and cloud information technology education, which includes coursework in various IT modalities including network server installation, network design, configuration, support, and security applications
- Provide students with the opportunity to practice and evaluate local, wide, and cloud network design, implementation, administration, cybersecurity, and support
- Provide students with the interpersonal skills required to work effectively within work teams, and develop the tools to conduct job searches and learn effective interview techniques

Potential job titles include Computer User Support Specialists, Computer Network Support Specialists, Information Security Analyst, and Cloud Technologist. DOTCODE: 033.362-010. Please see the end of this program description for a list of other possible job titles with their assigned Standard Occupation Classification (SOC) Codes. Graduates of this program may want to consider these other SOC job titles as potential entry-level job opportunities to pursue upon graduation.

Program Length Information:
The program length in clock-hours for this program is 720. The maximum timeframe for this program is 1080 clock-hours. These clock hour figures apply to both full and part-time students. The calendar limits are as follows:

Full-time students – normal program length is 36 weeks – Maximum Time Frame is 54 weeks.
Part-time students – NCE does not offer part time programs.

Hybrid Online Time Commitment: Students should assume a weekly time commitment of roughly 20 hours. The lecture portion of all modules is delivered fully online, with a traditional on-campus requirement for the lab portion. Lab work requires students to be on campus three times per module – on Saturdays. This program takes advantage of the various methods and forms of learning through online content delivery and on-ground lab work to create a multi-layered environment for student interaction, teacher/student interaction and expert insight.

Course Listings:

Course Number	Course Title	Classroom Clock Hours	Lab Clock Hours	Total Instructional Clock Hours
IT 2201	Routing & Switching	105	15	120
IT 2202	Data Management and Security	105	15	120
IT 2203	Network Security	105	15	120
IT 2204	Architecting on the Cloud	105	15	120
IT 2205	System Operations on the Cloud	105	15	120
IT 2206	Security on the Cloud	105	15	120
PROGRAM TOTAL		**630**	**90**	**720**

Course Descriptions:

2201 Routing & Switching
This course describes the architecture, components, and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. By the end of this course, participants will be able to configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPng, single area and multi-area OSPF, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks.
Clock hours: 120, **Credit hours:** 7.5

IT 2202 Data Management and Security
This course provides the foundational information, concepts, and background knowledge that students need to understand the basic underlying infrastructure that database storage systems are running on. Students learn how database servers work with operating systems. Explore hardware, from CPU to drives, strengths and weaknesses of different types of storage, and memory options. The course also provides foundational knowledge of Big Data systems and data security concepts
Clock hours: 120, **Credit hours:** 7.5

IT 2203 Network Security
This course provides students with in-depth study and practice of advanced concepts in applied systems and networking security, including security policies, access controls, IP security, authentication mechanisms, and intrusion detection and protection. It provides students with an in-depth view on strategies of communication and network and cybersecurity.
Clock hours: 120, **Credit hours:** 7.5

IT 2204 Architecting on the Cloud
This course provides students with the fundamentals of building IT infrastructure on the cloud. Student will learn how to optimize cloud technologies by understanding cloud services and how they fit into cloud-based solutions. Student will explore cloud best practices and design patterns to architect optimal IT solutions on popular cloud platforms. Student will also examine case studies that show how organizations have designed their infrastructures and the strategies and services they implemented. Student will build and explore a variety of infrastructures through a guided, hands-on activity.
Clock hours: 120, **Credit hours:** 7.5

IT 2205 System Operations on the Cloud
This course teaches students how to create automatable and repeatable deployments of networks and systems on popular cloud platforms. Course will explore the cloud features and tools related to configuration and deployment and common techniques for configuring and deploying systems in the cloud.
Clock hours: 120, **Credit hours:** 7.5

IT 2206 Security Operations on the Cloud
This course provides students with the opportunity to learn how to efficiently use cloud security services to stay secure and compliant in the cloud. Course will focus on recommended security best practices that students can implement to enhance the security of data and systems. Course will explore security features of popular cloud services providers, key services, including compute, storage, networking, and database services. Course will also consider common security control objectives and regulatory compliance standards and examine use cases for running regulated workloads across different verticals, globally. In this course, student will learn how to leverage cloud services and tools for automation and continuous monitoring—taking security operations to the next level.
Clock hours: 120, **Credit hours:** 7.5

Job titles (with SOC codes) to possibly consider as potential entry-level job opportunities to pursue upon graduation:

*Standard Occupational Classification (SOC)	Employment Position
15-1151	Computer User Support Specialists
15-1152	Computer Network Support Specialists
15-1122	Information Security Analyst
15-1142	Network & Computer System Administrator
15-1299	Cloud Technologist
15-1241	Computer Network Architects
15-1211	Computer Systems Analysts
11-3021	Computer and Information Systems Managers

* All SOC codes are accurate for the 2018 system and are available at: http://www.bls.gov/soc/#classification

Academic Calendars – 2021 Start Dates

ALLIED HEALTH

START DATE	GRAD DATE
1/25/2021	9/30/2021
2/22/2021	10/28/2021
3/22/2021	11/24/2021
4/19/2021	1/6/2022
5/17/2021	2/3/2022

CLOUD & CYBERSECURITY ADMINISTRATOR

Start Date	Grad date
1/25/2021	10/24/2021
4/26/2021	1/23/2022
7/26/2021	4/24/2022
10/25/2021	7/24/2022

ELECTRICIAN AND HVAC

Start Date	Grad date
2/1/2021	11/18/2021
3/15/2021	1/13/2022
4/26/2021	2/24/2022
6/7/2021	4/7/2022