

# 2001-2002 CATALOG National Institute of Technology

CrossLanes0401

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Education.

2001-2002 CATALOG - National Institute of Technology  
CrossLanes0401



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## About Corinthian Schools, Inc.

This school is a part of Corinthian Schools, Inc. (CSi). CSi was formed in 1995 to own and operate schools across the nation that focus on high demand and specialized skills. CSi is continually seeking to provide the kind of training programs that will best serve the changing needs of students, business and industry.

With headquarters in Santa Ana, California and schools in various states, CSi provides job-oriented training in high-growth, high-technology areas of business and industry. The curricular focus is on allied health, business and other programs that have been developed based on local employer needs. Students use modern equipment and facilities, similar to the kind they can expect to find on the job. By emphasizing focused training, CSi provides people entering or re-entering today's competitive market with practical, skill-specific training vital to their success.

Corinthian Schools, Inc. is dedicated to providing vocational and technical training that meets the current needs of business and industry. Under CSi ownership, the school will maintain its long-standing reputation for innovation and high-quality private vocational education.

## School History and Description

National Institute of Technology in Cross Lanes, West Virginia, was originally a member of United Electronics Institute, which was established in 1968. The school was acquired by National Education Corporation in 1981 as a part of the Technical Schools group. In 1983 the name was changed to National Education Center® - National Institute of Technology Campus. The school was acquired by Corinthian Schools, Inc. in July 1995. The name of the school was changed to National Institute of Technology on June 30, 1996.

The air-conditioned facility has 26,000 square feet and contains 18 large classrooms designed for theory and laboratory instruction, administrative offices, a library containing reference and reading materials related to the academic programs, study area, public areas and restrooms.

This institution, the facilities it occupies and the equipment it uses comply with all federal, state and local ordinances and regulations, including those related to fire safety, building safety and health.

The school is conveniently located just off Interstate 64, ten miles west of Charleston and 35 miles east of Huntington at the Cross Lanes exit.

## Educational Philosophy

The Corinthian Schools, Inc. philosophy is to provide quality programs that are sound in concept, implemented by a competent and dedicated faculty and geared to serve those seeking a solid foundation in knowledge and skills required to obtain employment in their chosen fields. The programs emphasize hands-on training, are relevant to employers' needs and focus on areas that offer strong long-term employment opportunities. To offer students the training and skills that will lead to successful employment, the schools will:

- Continually evaluate and update educational programs;
- Provide modern facilities and training equipment;
- Select teachers with professional experience in the vocations they teach and the ability to motivate and develop students to their greatest potential; and
- Promote self-discipline and motivation so that students may enjoy success on the job and in society.

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## Statement of Non-Discrimination

Corinthian Schools, Inc. does not discriminate on the basis of sex, age, physical handicap, race, creed or religion in its admission to or treatment in its programs and activities, including advertising, training, placement and employment. The school president is the coordinator of Title IX - the Educational Amendments Act of 1972, which prohibits discrimination on the basis of sex in any education program or activity receiving federal financial assistance. All inquiries or complaints under the sex discrimination provisions of Title IX should be directed to the school president. The school president must act equitably and promptly to resolve complaints and should provide a response within seven working days. Students who feel that the complaint has not been adequately addressed should contact the CSi Student Help Line, (800) 874-0255.

## Accreditations, Approvals and Memberships

This school voluntarily undergoes periodic accrediting evaluations by teams of qualified examiners, including subject experts and specialists in occupational education and private school administration.

- Accredited by the Accrediting Commission of Career Schools and Colleges of Technology.
- Authorized to Operate by the State of West Virginia Postsecondary Education.
- Eligible institution under the Federal Stafford Loan Program (FSL) and Federal Parent Loan for Undergraduate Students (FPLUS).
- Eligible institution for Federal Perkins Loan, Federal Supplemental Educational Opportunity Grant (FSEOG), Federal Pell Grant and Federal Work-Study (FWS) programs.
- Provides training services for the State Department of Vocational Rehabilitation.
- Approved for the training of Veterans and eligible persons under the provisions of Title 38, United States Code.
- Member of the Charleston Regional Chamber of Commerce.
- Member of the West Virginia Chamber of Commerce.
- Member of the Instrument Society of America.
- Member of the American Society for Training and Development.
- Member of the National Association for Health Professionals

School accreditations, approvals and memberships are displayed in the lobby. The school president can provide additional information.

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## Administration

John Pullen, Ed.D  
Richard Rhodes, B.S.  
Karen Wilkinson  
Julie Rowsey, M.A.  
Sue Beaver Pack, M.S.M.

School President  
Education Director  
Admissions Director  
Placement Director  
Finance Director

## Faculty

### Allied Health Department

\*Greg Falvo, M.S.  
Cheryl Floyd, Diploma  
Kathryn Haddox-Cremean, A.S.  
Laurie Larch, P.A.  
Kimberly Marcum, A.S.  
Terrie E. McCann, M.A.  
Hilda Rollins, A.S.  
Tina Runyon, M.A.  
Renee Warner, Diploma  
Tiffany Washington, M.A.

Marshall University, Huntington, WV  
Huntington Junior College, Huntington, WV  
West Virginia Career College, Charleston, WV  
College of West Virginia, Beckley, WV  
West Virginia Career College, Charleston, WV  
National Institute of Technology, Cross Lanes, WV  
National Education Center, Cross Lanes, WV  
West Virginia Career College, Charleston, WV  
National Institute of Technology, Cross Lanes, WV  
Ben Franklin Career and Technical Education Center,  
Charleston, WV

### Electronics and Computer Departments

Thomas D. Allen, A.A.  
Clark Adams, A.A.S., A+, MCP  
Andrew K. Barham, B.S.  
Cynthia R. Bolton, B.A.  
Alan Currence, B.S.  
Abraham Falsafi, M.S.  
Dara S. Fann, A.A.S., A+, MCP, CNI  
Joe Green, A.A.S., A+, MCP  
James Jenkins, A.A.S.  
Paul Kiser, B.S.  
Phillip Mangus, A.A.S.  
Rick McCormick, A.A.S., A+, MCP  
Jeremy G. Nicholson, MCSE, A+, MCP  
Richard Rhodes, A.S., B.S.  
Chad Sines, B.S.  
Thomas E. Stone, B.S., MCSE, MCP  
Franklin E. Williamson, A.A.S.  
\*David Woodruff, A.A.S.

Lincoln Tech, Allentown, PA  
National Institute of Technology, Cross Lanes, WV  
West Virginia Institute of Technology, Montgomery, WV  
West Virginia State College, Institute, WV  
Kennedy Western University, Boise, ID  
Britanica, Chicago, IL  
National Institute of Technology, Cross Lanes, WV  
National Institute of Technology, Cross Lanes, WV  
United Electronic Institute, Charleston, WV  
Southern Illinois University  
National Institute of Technology, Cross Lanes, WV  
United Electronic Institute, Charleston, WV  
West Virginia State College, Institute, WV  
West Virginia Institute of Technology, Montgomery, WV  
Rio Grande University, Gallipolis, OH  
Southern Illinois University, Carbondale, IL  
National Institute of Technology, Cross Lanes, WV  
National Education Center, Cross Lanes, WV

\*Department Chairperson

## Hours of Operation

### Office:

8:00 AM to 7:00 PM Monday through Thursday  
 8:00 AM to 5:00 PM Friday

### School:

7:30 AM to 12:20 PM Monday through Thursday Morning  
 10:00 AM to 2:50 PM Monday through Thursday Morning/Afternoon  
 12:45 PM to 5:45 PM Monday through Thursday Afternoon  
 5:30 PM to 10:20 PM Monday through Thursday Evening – Medical and Networking  
 6:00 PM to 10:50 PM Monday through Thursday Evening – Electronics  
 5:30 PM to 10:20 PM Friday Evening  
 8:00 AM to 4:30 PM Saturday Morning/Afternoon  
 8:00 AM to 12:00 PM Sunday Morning

## Academic Calendars

### Allied Health Programs

**Day/Evening Medical Business and Clinical Specialist – Four-Day Week (Monday through Thursday)**  
 Schedule is for each module.

2001		2002		2003	
Start Dates	End Dates	Start Dates	End Dates	Start Dates	End Dates
Jan 2 Tue	Jan 30 Tue	Jan 2 Wed	Jan 29 Tue	Jan 6 Mon	Feb 3 Mon
Feb 5 Mon	Mar 5 Mon	Feb 4 Mon	Mar 4 Mon	Feb 5 Wed	Mar 5 Wed
Mar 7 Wed	Apr 3 Tue	Mar 6 Wed	Apr 2 Tue	Mar 11 Tue	Apr 7 Mon
Apr 9 Mon	May 3 Tue	Mar 9 Tue	May 6 Mon	Apr 9 Wed	May 6 Tue
May 14 Mon	Jun 11 Mon	May 20 Mon	Jun 17 Mon	May 19 Mon	Jun 16 Mon
Jun 13 Wed	Jul 11 Wed	Jun 19 Wed	Jul 16 Tue	Jun 19 Thu	Jul 16 Wed
Jul 16 Mon	Aug 9 Thu	Jul 22 Mon	Aug 15 Thu	Jul 22 Tue	Aug 18 Mon
Aug 20 Mon	Sep 17 Mon	Aug 26 Mon	Sep 23 Mon	Aug 26 Tue	Sep 23 Tue
Sep 19 Wed	Oct 16 Tue	Sep 25 Wed	Oct 22 Tue	Sep 29 Mon	Oct 23 Thu
Oct 22 Mon	Nov 15 Thu	Oct 24 Thu	Nov 20 Wed	Oct 28 Tue	Nov 25 Tue
Nov 20 Tue	Dec 18 Tue	Nov 25 Mon	Dec 19 Thu	Nov 26 Wed	Dec 23 Tue

**Evening Phlebotomy – Two days per week for classes, five days per week for externship.**  
 Schedule is for the entire program.

2001		2002		2003	
Start Dates	End Dates	Start Dates	End Dates	Start Dates	End Dates
Jan 22 Mon	May 3 Tue				
Jul 23 Mon	Nov 1 Tue				



## Electronic and Computer Engineering Technology

Day/Afternoon/Evening – Four-Day Week (Monday through Thursday)

Schedule is for each module.

2001		2002		2003	
Start Dates	End Dates	Start Dates	End Dates	Start Dates	End Dates
Jan 2 Tue	Feb 26 Mon	Jan 2 Wed	Feb 26 Tue	Jan 6 Mon	Feb 27 Thu
Mar 1 Thu	Apr 23 Mon	Mar 4 Mon	Apr 23 Tue	Mar 3 Mon	Apr 22 Tue
May 2 Wed	Jun 25 Mon	May 6 Mon	Jun 26 Wed	May 5 Mon	Jun 25 Wed
Jun 27 Wed	Aug 20 Mon	Jul 1 Mon	Aug 21 Wed	Jul 7 Mon	Aug 26 Tue
Aug 29 Wed	Oct 22 Mon	Sep 3 Tue	Oct 23 Wed	Sep 2 Tue	Oct 22 Wed
Oct 25 Thu	Dec 18 Tue	Oct 28 Mon	Dec 18 Wed	Oct 27 Mon	Dec 17 Wed

## Networking (NA)

NA Day/Evening – Four Day Week (Monday through Thursday)

2001		2002		2003	
Start Dates	End Dates	Start Dates	End Dates	Start Dates	End Dates
Feb 26 Mon	May 17 Thu	Feb 25 Mon	May 16 Thu	Mar 3 Mon	May 23 Mon
May 28 Mon	Aug 16 Thu	May 28 Tue	Aug 15 Thu	Jun 2 Mon	Aug 22 Fri
Aug 27 Mon	Nov 15 Thu	Aug 26 Mon	Nov 14 Thu	Sep 1 Mon	Nov 21 Fri
Nov 26 Mon	Feb 21, 02 Thu	Nov 25 Mon	Feb 20, 03 Thu		

NA Weekend - Fri 5:30 p.m. to 10:20 p.m.; Sat. 8:00 a.m. to 4:50 p.m.; Sun 2:00 p.m. to 4:50 p.m.

2001		2002		2003	
Start Dates	End Dates	Start Dates	End Dates	Start Dates	End Dates
Jan 5 Fri	Mar 25 Sun	Jan 4 Fri	Mar 24 Sun	Jan 3 Fri	Mar 23 Sun
Apr 6 Fri	Jun 24 Sun	Apr 5 Fri	Jun 23 Sun	Apr 4 Fri	Jun 22 Sun
Jul 6 Fri	Sep 23 Sun	Jul 5 Fri	Sep 22 Sun	Jul 5 Fri	Sep 21 Sun
Oct 5 Fri	Dec 23 Sun	Oct 4 Fri	Dec 22 Sun	Oct 3 Fri	Dec 21 Sun

## Student Holidays

	2001	2002	2003
New Year's Day	Jan 1	Jan 1	Jan 1
Martin Luther King, Jr.'s Birthday	Jan 15	Jan 14	Jan 13
President's Day (observed)	Feb 19	Feb 18	Feb 17
Memorial Day (observed)	May 28	May 27	May 26
Independence Day	Jul 4	Jul 4	Jul 4
Labor Day	Sep 3	Sep 2	Sep 1
Thanksgiving	Nov 22 - 23	Nov 21 - 22	Nov 20 - 21
Winter Recess	Dec 18 - Jan 1, 2002	Dec 23 - 24	Dec 23 - 24
Winter Recess – Day/Evening NA	Dec 24 - 28		
Winter Recess – Weekend NA	Dec 21 - 23		

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## **Modular Programs**

A Modular Program is a complete body of prescribed subjects or studies that is divided into periods of instruction approximately four to five weeks in length.

## **Quarter Programs**

A quarter-based program is a complete body of prescribed subjects or studies that is divided into periods of instruction approximately 12 weeks in length.

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## Medical Business and Clinical Specialist Program

### Diploma Program – 12 Months

960 Clock Hours/65.0 Credit Units

The health care field offers a variety of interesting and challenging career opportunities to graduates of the Medical Business and Clinical Specialist Program. In this program, students will receive training in front-office and back-office skills required in a doctor's office, hospital, clinic, home health agency or insurance company. Graduates will be able to perform clinical duties and will be proficient in a variety of administrative and managerial tasks.

The objective of the Medical Business and Clinical Specialist Program is to provide graduates with the skills and knowledge that will enable them to qualify for an entry-level position as a medical office clerk, medical insurance processor, medical receptionist, medical transcriber, hospital clerk, medical ward clerk or medical assistant.

This training program is divided into 11 learning units called modules. Each module stands alone as a unit of study. Students will begin in modules A through E, completing them in any sequence. After they complete modules A through E, students may take modules F through J in any sequence. If students do not complete any portion of one of these modules, the entire module must be completed. Upon successful completion of modules A through J, students participate in a 160 clock-hour externship.

Completion of the Medical Business and Clinical Specialist Program is acknowledged by the awarding of a diploma.

### Program Outline

Module Number	Module Title	Clock Hours	Credit Units
Module A	Patient Care and Communication	80	6.0
Module B	Clinical Assisting, Pharmacology and Body Systems	80	6.0
Module C	Health Sciences and Cardiopulmonary Resuscitation	80	6.0
Module D	Electrocardiography, Medical Ethics	80	6.0
Module E	Laboratory Procedures, Radiation Safety	80	6.0
Module F	Medical and Clinical Specialties	80	6.0
Module G	Patient Records	80	6.0
Module H	Patient Accounting	80	6.0
Module I	Insurance Billing	80	6.0
Module J	Medical Office Procedures	80	6.0
Module X	Externship	160	5.0
	<b>Program Total</b>	<b>960</b>	<b>65.0</b>

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## Major Equipment

Anatomical Torso	Mayo Stands
Anatomy Charts	Microscopes
Autoclave	Personal Computers
Blood Chemistry Analyzer	Sphygmomanometers
Calculators	Stethoscopes
Dot Matrix and Letter Quality Printers	Surgical Instruments
Electrocardiography Machine	Teletrainer
Electronic Typewriters	Training Mannequins
Examination Tables	Transcription Machines

## Module Descriptions

Module descriptions include the module number, title, synopsis, a listing of the lecture/theory hours, laboratory or externship hours and credit units. For example, the listing "40/40/6.0" indicates that the module consists of 40 hours of lecture/theory, 40 hours of laboratory work, and provides a total of 6.0 credit units.

### Module A - Patient Care and Communication

40/40/6.0

Module A emphasizes patient care, including the complete physical exam and positioning and draping. Anatomy and physiology of the sense organs and common diseases related to each are taught. Students learn how to interact and communicate effectively by exploring the fundamentals of interpersonal relations. Front-office skills performed by the health care professional are included. Students perform invasive procedures and check vital signs. Basic keyboarding skills on the typewriter and computer are developed, and students become familiar with essential medical terminology.

### Module B - Clinical Assisting, Pharmacology and Body Systems

40/40/6.0

Module B stresses the importance of asepsis and sterile technique in today's health care environment. Students learn about basic bacteriology and its relationship to infection and disease control. Basic therapeutic drugs, their use, classification and effects on the body are covered. Students become familiar with the principles of administering medication. Students also learn to identify the basic structural components and functions of the circulatory and respiratory systems. Symptoms, diagnoses, and treatment for pathologies of each system are covered. They perform invasive procedures and check vital signs. In order to understand front office and back-office interaction, students are introduced to bookkeeping procedures essential to the medical office. Basic keyboarding skills on the typewriter and computer are developed, and students become familiar with essential medical terminology.

### Module C - Health Sciences and Cardiopulmonary Resuscitation

40/40/6.0

Module C focuses on the health science field, including areas of importance to the health care worker. Students learn general first aid, including bandaging techniques. Students become familiar with the structures and functions of the human digestive system, as well as the basic four food groups and their importance for good nutrition. A cardiopulmonary resuscitation (CPR) course enables students to respond to an emergency. A cursory look at health care insurance and coding and billing procedures are included. Students perform invasive procedures and check vital signs. Basic keyboarding skill on the typewriter and computer are developed, and students become familiar with essential medical terminology.

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## Module D - Electrocardiography

40/40/6.0

Module D examines the circulatory and respiratory systems, including the structure and function of the heart and lungs. Students learn about the electrical pathways of the heart muscle in preparation for connecting EKG leads and recording an electrocardiogram. Students are introduced to the legal responsibilities of the physician and office assistant. The module covers physician / patient contracts and consents, and the professional ethics of medicine as they relate to the health care assistant. Students perform invasive procedures and check vital signs. Basic keyboarding skills on the typewriter and computer are developed, and students become familiar with essential medical terminology.

## Module E - Laboratory Procedures

40/40/6.0

Module E introduces laboratory procedures commonly performed in a physician's office. Students learn specimen identification, collection, handling and transportation procedures, and practice venipuncture and routine diagnostic hematology. Maintenance and care of laboratory equipment and supplies are discussed. The renal system's anatomical structures, function and common diseases are presented. Students perform invasive procedures and check vital signs. Basic keyboarding skills on the typewriter and computer are developed, and students become familiar with essential medical terminology.

## Module F - Medical and Clinical Specialties

40/40/6.0

Module F provides students with an overview of hospitals and clinics and their various departments. The pathological conditions of medical specialty areas - urinary, endocrine, cardiology, respiratory, psychiatry, ophthalmology, toxicology and neurology are emphasized. Students become familiar with the diseases, causes, symptoms, tests, treatments and coding related to each specialty. Students learn how to create job descriptions and how to hire the right person for a job. Students strengthen their English grammar and writing skills, develop speed and accuracy on the keyboard, acquire advanced word processing and transcription skills, and become familiar with specialized medical terminology.

## Module G - Patient Records

40/40/6.0

Module G focuses on setting up, maintaining and organizing patient records manually and electronically. Students become familiar with records management systems and develop skills in alphabetic filing and indexing. They work with a pegboard system to accomplish tasks in management and reconciliation. Students become familiar with the variety of reports and letters typically encountered in a medical office, and the guidelines for producing each. Students strengthen their English grammar and writing skills, develop speed and accuracy on the keyboard, acquire advanced word processing and transcription skills, and become familiar with specialized medical terminology.

## Module H - Patient Accounting

40/40/6.0

Module H introduces the accounting functions of the medical office. Instruction focuses on a computerized accounting system, allowing students to perform all the steps of the accounting cycle on a microcomputer. Patient billing is an integral part of the module. The collection process, including legal aspects, psychology of collecting and customer service, is explored. Students learn about outside services available to support the tasks of a medical office. Medical law and ethics are also discussed. Students strengthen their English grammar and writing skills, develop speed and accuracy on the keyboard, acquire advanced word processing and transcription skills, and become familiar with specialized medical terminology.

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## Module I - Insurance Billing

40/40/6.0

Module I develops students' proficiency in preparing and processing insurance claims. Type of insurance programs, including plans and types of coverage, are discussed. Students learn how to obtain information from patient charts and ledgers in order to complete insurance forms accurately. Students are given hypothetical insurance billing situations, then select appropriate forms, codes and procedures to process the insurance claims for optimal reimbursement. Students strengthen their English grammar and writing skills, develop speed and accuracy on the keyboard, acquire advanced word processing and transcription skills, and become familiar with specialized medical terminology.

## Module J - Medical Office Procedures

40/40/6.0

Module J focuses on the medical office and the procedures and technology that enable it to function efficiently. The module emphasizes the interpersonal skills that allow the office staff to interact successfully with customers, the hardware and software that help the decision-making process and the guidelines that must be followed. Students strengthen their English grammar and writing skills, develop speed and accuracy on the keyboard, acquire advanced word processing and transcription skills, and become familiar with specialized medical terminology.

## Module X - Externship

0/160(144 & 16)/5.0

Upon successful completion of classroom training, students participate in a 160-hour externship. Serving an externship at an approved facility gives externs an opportunity of 144 hours to work with patients and apply the principles and practices learned in the classroom. Students should help locate a facility convenient for themselves and have the Extern Coordinator complete the approval process prior to the beginning of the Extern module. Those without their own site will be placed by the school (NIT) in an existing site approved at that time (specific student choice of locations cannot be guaranteed). Externs work under the direct supervision of qualified personnel in participating institutions and under general supervision of the school staff. Externs will be evaluated by supervisory personnel at 72 and 144 hour intervals. The additional 16 hours are four, four-hour Friday seminar meetings. These are to be scheduled on an every other Friday basis throughout the two months. Completed evaluation forms are placed in the students' permanent record. Students must successfully complete their externship training in order to fulfill requirements for graduation. The time allotted to complete this is two months.

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## Phlebotomy Program

### Certificate Program – 5 Months

210 Clock Hours/12.0 Credit Units

The objective of the Phlebotomy program is to provide graduates with the skills and knowledge that will enable them to qualify for a position as an entry level phlebotomist.

This program is divided into two modules. Module A is the classroom module along with the practical laboratory work. Following the successful completion of Module A the student participates in a 90 hour externship. Completion of the Phlebotomy program is acknowledged by the awarding of a certificate.

### Program Outline

Module Number	Module Title	Clock Hours	Credit Units
Module A	Patient Care and Communication	120	9.0
Module X	Externship	90	3.0
<b>Program Total</b>		<b>210</b>	<b>12.0</b>

### Major Equipment

Anatomy Charts	Autoclave
Blood Chemistry Analyzer	Microscopes

### Module Descriptions

Module descriptions include the module number, title, synopsis, a listing of the lecture/theory hours, laboratory or externship hours and credit units.

#### Module A - Phlebotomy

60/60/9.0

The following topics are covered in the Phlebotomy class: basic laboratory terminology and safety, anatomy and physiology, blood composition, venipuncture procedures, blood culture collection, blood smears, skin punctures, professionalism and ethics, legal issues, infection control, isolation procedures, quality control, timed lab procedure, indwelling lines, hospital/laboratory departments, processing laboratory specimen, laboratory tests, physical problems and complications, patient problems and complications, diseases that could effect laboratory personnel, AIDS and hepatitis.

#### Module X - Externship

0/90/3.0

Upon successful completion of classroom training, students participate in a 90-hour externship. Serving an externship at an approved facility gives an opportunity to work with patients and apply the principles and practices learned in the classroom. Students should help locate a facility convenient for themselves and have the Extern Coordinator complete the approval process prior to the beginning of the Extern module. Those without their own site will be placed by the school (NIT) in an existing site approved at that time (specific student choice of locations cannot be guaranteed). Externs work under the direct supervision of qualified personnel in participating institutions and under general supervision of the school (NIT) staff. Externs will be evaluated by supervisory personnel at 45 and 90 hour intervals. Completed evaluation forms are placed in the students' permanent record. Students must successfully complete their externship training in order to fulfill requirements for graduation. This must be completed within two calendar months from the beginning of the externship.

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## Electronics and Computer Engineering Technology Program

### Degree Program - 20 Months

1500 Clock Hours/120.0 Credit Units

Electronics is one of the fastest growing fields today. The scientific and technological revolution is creating numerous career opportunities. The demand for people with technical skills is growing twice as fast as any other group.

The Electronics and Computer Engineering Technology Program is designed to satisfy students' desire to learn a technical skill in a field that has experienced rapid growth. The curriculum explores both the fundamentals and advanced theory in electronics, integrated circuits, microprocessors and computer technology. Laboratory experience is an integral part of the program. Students also receive a background in the fundamentals of digital computers and hands-on experience with test equipment.

Graduates of the program are qualified for entry-level positions such as computer service technician, electronic laboratory technician, field service engineer, installation technician and electronics technician in communications, instrumentation, and digital and computer electronics. Graduates are also qualified for a position as sales representative in the computer, electronics (including electronic office equipment) and microprocessing fields.

Upon successful completion of all areas of the 19-month program, a specialized associate degree in electronics and computer engineering technology will be awarded.

### Program Outline

Course Number	Course Title	Clock Hours	Credit Units
DC Circuits and Applications Module			
EC101	Basic Electricity and Electronics	60	6.0
EC103	Mathematics for Electronic Circuits	30	3.0
EC104	Basic Electronics/DC Circuits Laboratory	60	3.0
	Total	150	12.0
AC Circuits and Applications Module			
ED101	AC Theory	60	6.0
ED103	Mathematics for AC Circuits	30	3.0
ED104	AC Circuits Laboratory	60	3.0
	Total	150	12.0
Semiconductor Devices and Applications Module			
EE201	Semiconductors	90	9.0
EE204	Semiconductors Laboratory	60	3.0
	Total	150	12.0



Course Number	Course Title	Clock Hours	Credit Units
Transistors and Special-purpose Semiconductors Module			
EF201	Transistors and Special-purpose Semiconductors	90	9.0
EF204	Transistor Circuits and Amplifiers Laboratory	60	3.0
	<b>Total</b>	<b>150</b>	<b>12.0</b>
Microelectronics Module			
EG2011	Microelectronics	90	9.0
EG2041	Microelectronics Laboratory	60	3.0
	<b>Total</b>	<b>150</b>	<b>12.0</b>
Digital Electronics Module			
EH3011	Digital Electronics	60	6.0
EH3031	Numbering Systems and Computer Mathematics	30	3.0
EH3041	Digital Electronics Laboratory	60	3.0
	<b>Total</b>	<b>150</b>	<b>12.0</b>
Electronic Communications Module			
EI2011	Electronic Communications	90	9.0
EI2041	Electronic Communications Laboratory	60	3.0
	<b>Total</b>	<b>150</b>	<b>12.0</b>
Microprocessors Module			
EJ301	Microprocessors	90	9.0
EJ304	Microprocessors Laboratory	60	3.0
	<b>Total</b>	<b>150</b>	<b>12.0</b>
Software and Advanced Technology Class Computers Module			
EK4011	Software and Advanced Technology Class Computers	90	9.0
EK4041	Software and Computer Laboratory	60	3.0
	<b>Total</b>	<b>150</b>	<b>12.0</b>
Computer Peripherals and Local Area Networks (LANs) Module			
EL4011	Computer Peripherals and Local Area Networks	60	6.0
EL4021	Professional Strategies	30	3.0
EL4041	Computer Peripherals and Local Area Network Laboratory	60	3.0
	<b>Total</b>	<b>150</b>	<b>12.0</b>
	<b>Program Total</b>	<b>1500</b>	<b>120.0</b>

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## Major Equipment

Analog/Digital Trainers  
Function Generators  
Oscilloscopes

Computers  
Frequency Counters  
Power Supplies

Digital Multimeters  
Logic Analyzers  
Printers

## Course Descriptions

### EC101 Basic Electricity and Electronics

60 Clock Hours/6.0 Credit Units

This course is designed to introduce students to the field of electronics. Sources of electricity, atomic theory and the principles and practices of fundamental direct current (DC) theory are taught. Concepts related to Ohm's law, resistance, series circuits, parallel circuits and series-parallel circuits for resistors are presented. The concepts of voltage drop and current will be presented using Kirchoff's laws, Norton's theorem and Thevenin's theorem. Prerequisite: None

### EC103 Mathematics for Electronic Circuits

30 Clock Hours/3.0 Credit Units

This course introduces the concepts of electrical circuit network analysis. Students learn the arithmetic and algebraic functions required to use Ohm's law, Kirchoff's laws for current and voltage, the superposition theorem, Thevenin's theorem and Norton's theorem. Prerequisite: None

### EC104 Basic Electronics/DC Circuits Laboratory

60 Clock Hours/3.0 Credit Units

This course introduces the safe use of hand tools and soldering techniques used in the electronics industry. Students construct laboratory projects involving series, parallel and series-parallel resistive circuits, and use various test instruments such as analog volt-ohmmeters, digital multimeters, signal generators and power supplies. Students complete a project demonstrating their skills and ability to integrate key concepts related to DC circuits. Prerequisite: None

### ED101 AC Theory

60 Clock Hours/6.0 Credit Units

This course provides an introduction to the principles and applications of alternating current (AC). The theory of alternating current, inductive reactance (XL), capacitive reactance (XC) and the sine waves for voltage and current are studied. The phase relations among resistive-inductive (R-L) circuits, resistive-capacitive (R-C) circuits and R-L-C circuits in series and parallel circuits are analyzed. Prerequisites: EC101, EC103, EC104

### ED 103 Mathematics for AC Electronics Circuits

30 Clock Hours/3.0 Credit Units

This course introduces the principles and techniques for analysis of alternating current (AC) circuits. Students learn the algebraic and trigonometric functions required to perform analysis of AC electronic circuits using applicable laws of physics and vector analysis. Prerequisites: EC101, EC103, EC104

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### ED104 AC Circuits Laboratory

60 Clock Hours/3.0 Credit Units

This course provides students with AC circuit applications. Students construct laboratory projects involving series, parallel and series-parallel resistive-capacitive, resistive-inductive and resistive-capacitive-inductive circuits while using various test instruments such as analog volt-ohmmeters, digital multimeters, signal generators, oscilloscopes and power supplies to analyze these circuits. Prerequisites: EC101, EC103, EC104

### EE201 Semiconductors

90 Clock Hours/9.0 Credit Units

This course introduces the principles of semiconductors. Diode theory and related concepts are presented. Students learn about the operation of circuits involving diodes. In addition to circuits based on standard diode function, special diode circuits are discussed. Students learn the underlying principles of transistors and transistor circuits. Transistor circuits and their application in common circuits are discussed in depth. The concepts of biasing for bipolar transistors are also presented. Prerequisites: ED101, ED103, ED104

### EE204 Semiconductors Laboratory

60 Clock Hours/3.0 Credit Units

This course provides hands-on laboratory experience with the subjects presented in course EE201. Students construct and test circuits that show the principles of semiconductors, diode theory and related concepts. Students also test the operation of standard diodes and special-purpose diode circuits. Students test transistor circuits and their applications. The methods of biasing for bipolar transistors are also studied. Prerequisites: ED101, ED103, ED104

### EF201 Transistors and Special-purpose Semiconductors

90 Clock Hours/9.0 Credit Units

This course familiarizes students with special-purpose transistors and semiconductor devices. The course focuses on silicon devices such as silicon-controlled rectifier (SCR), triac and the silicon-controlled switch (SCS), bipolar transistor devices and applications. The students learn the basic principles and applications of electronic semiconductor oscillator and amplifier circuits. Basic diode and transistor theory is reviewed to provide a foundation for the course. Prerequisites: ED101, ED103, ED104

### EF204 Transistor Circuits and Amplifiers Laboratory

60 Clock Hours/3.0 Credit Units

This course introduces students to laboratory experiments using transistor circuits and amplifiers that are covered in course EF201. Logical troubleshooting techniques are emphasized. Report writing skills are developed. Prerequisites: ED101, ED103, ED104

### EG2011 Microelectronics

90 Clock Hours/9.0 Credit Units

This course introduces linear and digital integrated circuits. The operational amplifier is explored in depth, and the applications of the operational amplifier in DC, audio applications, summing amplifiers, difference amplifiers and other integrated circuits are presented. A review of diodes and transistors is included. Prerequisites: EE201, EE204

### EG2041 Microelectronics Laboratory

60 Clock Hours/3.0 Credit Units

This course enables students to use laboratory experimentation to reinforce and apply concepts learned in course EG2011 and other courses. It includes demonstrations and experiments using integrated circuits, operational amplifiers and RF communications. Prerequisites: EE201, EE204

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### EH3011 Digital Electronics

60 Clock Hours/6.0 Credit Units

This course teaches students the principles of digital electronics. Areas covered include basic gates, logic symbols, truth tables, Boolean algebra, timing diagrams, logic families, integrated logic circuits, latches, flip-flops, counters, shift registers, A/D, D/A and memory. This information forms the building blocks for understanding microcomputer systems. Prerequisites: EE201, EE204

### EH3031 Numbering Systems and Computer Mathematics

30 Clock Hours/3.0 Credit Units

This course introduces the binary, octal and hexadecimal numbering systems of a computer. Students practice addition and subtraction in all numbering systems, and multiplication and division in binary.

Prerequisites: EE201, EE204

### EH3041 Digital Electronics Laboratory

60 Clock Hours/3.0 Credit Units

This course prepares students to work on digital electronic circuitry. The fundamentals include construction and using test equipment to troubleshoot basic and complex digital electronic circuits.

Prerequisites: EE201, EE204

### EI2011 Electronic Communications

90 Clock Hours/9.0 Credit Units

This course covers principles and essential characteristics of communication electronics. Subjects include transmitters, receivers, the principles of communication systems, antennas, transmission lines, telephone systems and data and optical communications. Prerequisites: EE201, EE204

### EI2041 Electronic Communications Laboratory

60 Clock Hours/3.0 Credit Units

This course enables students to use laboratory experimentation to reinforce and apply concepts learned in course EI2011 and other courses. It includes demonstrations and experiments in filters, amplifiers, oscillators, AM/FM generation and transmission, pulse amplitude modulation, pulse duration modulation, telephone circuits, modems and fiber optics. Prerequisites: EE201, EE204

### EJ301 Microprocessors

90 Clock Hours/9.0 Credit Units

This course presents an introduction to computers and microprocessor technology, including a comprehensive discussion of DOS. The course also explores the operation and troubleshooting of the 8088 microprocessor and the IBM PC XT system board. Support ICs, memory and I/O functions are discussed in detail. Prerequisites: EF201, EG2011, EI2011

### EJ304 Microprocessors Laboratory

60 Clock Hours/3.0 Credit Units

This course gives students basic knowledge of MS-DOS and introduces basic computer applications. Students configure and troubleshoot the IBM PC XT system board. Prerequisites: EF204, EG2041, EI2041

### EK4011 Software and Advanced Technology Class Computers

90 Clock Hours/9.0 Credit Units

This course introduces students to common application software, environments and operating systems. Students configure and troubleshoot advanced technology class computers. Prerequisites: EJ301, EJ304

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### EK4041 Software and Computer Laboratory

60 Clock Hours/3.0 Credit Units

This course provides hands-on experiences that build on the concepts and skills presented in EK4011. Students install, configure and de-install various operating systems and application software. Students also perform hardware configuration and troubleshooting exercises. Prerequisites: EJ301, EJ304

### EL4011 Computer Peripherals and Local Area Networks

60 Clock Hours/6.0 Credit Units

This course provides an introduction to computer peripherals and Local Area Networks (LANs). Students learn the basic operation, installation and set-up of keyboards, video systems, mass storage devices, special I/O devices, printing systems, modems and LAN software and equipment. Troubleshooting is also covered. Prerequisites: EJ301, EJ304

### EL4021 Professional Strategies

30 Clock Hours/3.0 Credit Units

This course helps prepare students for a job in the electronics marketplace. Topics include elements of writing, professional appearance and demeanor and resume preparation. Students are expected to develop a business letter and resume during the course. Prerequisites: EJ301, EJ304

### EL4041 Computer Peripherals and Local Area Network Laboratory

60 Clock Hours/3.0 Credit Units

This course provides hands-on experience that builds on the concepts presented in EL4T11. Students will set-up, configure and troubleshoot computer equipment and LANs. Prerequisites: EJ301, EJ304

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## Network Administration Program

### Diploma Program - 15 Months

930 Clock Hours/66.0 Credit Units

This program provides comprehensive training in multi-platform local area networks and wide area networks. Complete coverage of hardware and computer operating systems will be covered for all computer platforms. Extensive training in both Microsoft® and Novell® networking software will enable students to qualify for job opportunities such as an entry-level systems engineer or an entry-level network administrator.

Upon successful completion of all areas of the 15 month program, students will be awarded a diploma.

### Program Outline

Course Number	Course Title	Clock Hours	Credit Units
CEN2601	NDS Design	30	1.0
CGS1326	Project Development	30	2.0
CGS1501	Computer Fundamentals	50	4.0
CGS1520	Introduction to Database	30	2.0
CGS1522	Introduction to Spreadsheets	30	2.0
CGS1550	Introduction to Presentations	30	2.0
CIS1561	Hardware Concepts	30	2.0
CIS1575	Networking Fundamentals	50	4.0
CIS1800	Core Technologies	50	4.0
<del>CIS1850</del>	<del>Windows® Technical Support</del>	<del>50</del>	<del>4.0</del>
CIS1875	Novell Administration	50	4.0
CIS2222	TCP/IP	50	4.0
CIS2320	Windows NT® Enterprise	50	4.0
CIS2422	Internet Information Server	30	2.0
CIS2875	Novell Advanced Administration	50	4.0
CIS2890	Installation and Configuration for Networks	50	4.0
CIS2911	Multiplatform Networking	50	4.0
CIS2950	Externship I	60	2.0
CIS2952	Externship II	30	1.0
OST2705	Introduction to Word Processing	30	2.0
SLS1120	Strategies for Success	40	4.0
SLS1320	Career Skills	30	2.0
SLS1500	Workplace Relationships	30	2.0
	<b>Program Total</b>	<b>930</b>	<b>66.0</b>

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## Major Equipment

Computers  
Printers  
Local Area Network

## Course Descriptions

### CEN 2601 NDS Design

#### 2 Quarter Credit Hours

This course prepares the student to create an NDS design and implementation strategy using proven methods to implement NDS. Students will complete an NDS design strategy using supplied templates, which can be reused to create NDS designs in their working environment. Students will then use these strategies and schedules to complete an NDS implementation in a hands-on environment. Lec. Hrs. 010 Lab Hrs. 020 Other Hrs. 000

### CGS1326 Project Development

#### 2.0 Quarter Credit Hours

This course prepares students to administer and participate in effective project development. Emphasis will be on people, planning, processes, and communication. Students will work in teams to define project objectives, schedule, budget, and accomplish project objectives on time and within budget. Prerequisite: None. Lec. Hrs. 010 Lab Hrs. 020 Other Hrs. 000

### CGS1501 Computer Fundamentals

#### 4.0 Quarter Credit Hours

This course provides an introduction to and an overview of the fields of computing. There is an emphasis on terminology, hardware, and software features associated with various components of computing. Specific topics to be covered include such subjects as computer system architecture, basics of telecommunications and networks, end-user Internet skills, common application software, operating systems, virus scan software, certification, multimedia, distance education, and computer programming. Prerequisite: None. Lec. Hrs. 030 Lab Hrs. 020 Other Hrs. 000

### CGS1520 Introduction to Database

#### 2.0 Quarter Credit Hours

This course provides an introduction to database operations. Emphasis will be placed on terminology, and the creation and editing of simple database forms and reports. Students will create, edit, and print basic database documents. In addition, students will learn to view and locate information from simple queries. Prerequisite: CGS1501 Lec. Hrs. 010 Lab Hrs. 020 Other Hrs. 000

### CGS1522 Introduction to Spreadsheets

#### 2.0 Quarter Credit Hours

This course provides an introduction to spreadsheets. There is an emphasis on terminology and the creation and editing of simple spreadsheets such as marketing and sales reports, expense reports, invoices and purchase orders, and basic financial statements. Students will create and modify spreadsheets. In addition they will print worksheets, apply basic formatting, and perform file management skills such as saving spreadsheets under the same and different names, locating and opening existing spreadsheets, and creating subdirectories. Prerequisite: CGS1501. Lec. Hrs. 010 Lab Hrs. 020 Other Hrs. 000

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## CGS1550 Introduction to Presentations

### 2.0 Quarter Credit Hours

This course provides an introduction to presentations. There is an emphasis on terminology, and the creation and editing of simple presentations. Students will create, edit, spell check, save, and print a presentation. In addition, they will apply character formatting to a presentation. Students will use templates to create presentations. Students will perform file management skills such as saving a presentation under the same and a different name, locating, opening, and closing existing presentations. Corequisite: CGS1501. Lec. Hrs. 010 Lab Hrs. 020 Other Hrs. 000

## CIS1561 Hardware Concepts

### 2.0 Quarter Credit Hours

This course prepares the student to install, configure, and troubleshoot PC hardware including system boards, bus structures, PC memory, and power supplies. Topics such as system optimization and performance using MS-DOS, Windows 3.1, Windows 95, Windows NT, and Windows 98 will be discussed. Peripherals such as printers, their diagnostics, and troubleshooting will be covered. Networking basics will also be discussed. Prerequisite: CGS1501. Lec. Hrs. 010 Lab Hrs. 020 Other Hrs. 000

## CIS1575 Networking Fundamentals

### 4.0 Quarter Credit Hours

This course provides an introduction to and an overview of the fields of local area networking and internetworking. There is an emphasis on terminology, hardware, and software features associated with various components of a network. Students perform basic end-user functions and introductory administration operations of a network. Prerequisite: CGS1501. Lec. Hrs. 030 Lab Hrs. 020 Other Hrs. 000

## CIS1800 Core Technologies

### 4.0 Quarter Credit Hours

This course covers both Microsoft Windows NT network administration and technical support. There is an emphasis on terminology, the procedures for installing, configuring, and troubleshooting Microsoft Windows NT Server and Workstation. Students will complete administrative tasks using Microsoft Windows NT. In addition, students will use directory services, implement security procedures such as rights and permissions and audit policies. Prerequisite: CIS1575. Lec. Hrs. 030 Lab Hrs. 020 Other Hrs. 000

## CIS1850 Windows Technical Support

### 4.0 Quarter Credit Hours

This course provides students with the knowledge and skills of Microsoft Windows Technical Support. Students will learn to install and configure Microsoft Windows and work with the user interface. Emphasis will be placed on operating system architecture, memory optimization, file input and output, networking considerations, protocols, communications, and printing. Prerequisite: CIS1575. Lec. Hrs. 030 Lab Hrs. 020 Other Hrs. 000

## CIS1875 Novell Administration

### 4.0 Quarter Credit Hours

This course provides the information for students to develop the necessary knowledge and skills to perform competently as a network administrator on a Novell network. The emphasis is on fundamental network management tasks as well as the related terminology, hardware, and software features associated with various components of a network. Prerequisite: CGS1501. Lec. Hrs. 030 Lab Hrs. 020 Other Hrs. 000



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## CIS2222 Transmission Control Protocol/Internet Protocol (TCP/IP)

### 4.0 Quarter Credit Hours

This course provides an introduction to protocols and, specifically, Transmission Control Protocol/Internet Protocol (TCP/IP). There is an emphasis on terminology, the procedures for installing and manually configuring TCP/IP features such as IP addresses, subnet masking, and gateways. Students will implement IP routing and work with the Dynamic Host Configuration Protocol (DHCP), NetBIOS, LMHOSTS, WINS, domain name servers, and SNMP. In addition, students will trouble shoot common TCP/IP-related problems, symptoms, and possible causes. Prerequisite: CIS1875. Corequisite: CIS1800. Lec. Hrs. 030 Lab Hrs. 020 Other Hrs. 000

## CIS2320 Windows NT Enterprise

### 4.0 Quarter Credit Hours

This course provides advanced study of local and wide area networks using Microsoft NT networking software. It focuses on installing the Windows NT network server, troubleshooting the network, installation applications, and attaching peripherals. Students learn to optimize local and wide area networks to increase the performance. In addition, the course focuses on features such as trust relationships, authentication, domains, system commands, and performance, handling printing problems, program fixes, backup and recovery, objects, and queues. Students will work with problem determination procedures, system bottlenecks and database measurement. Prerequisite: CIS1800. Lec. Hrs. 030 Lab Hrs. 020 Other Hrs. 000

## CIS2422 Internet Information Server

### 2.0 Quarter Credit Hours

This course prepares the student to implement, administer, and manage Microsoft's Internet Information Server to provide secure, managed access for organizations to the Internet to conduct business. An emphasis of the course will be on internal communications and data access using the Internet. Important topics will be Internet and network security. Prerequisite: CIS1800. Lec. Hrs. 010 Lab Hrs. 020 Other Hrs. 000

## CIS2875 Novell Advanced Administration

### 4.0 Quarter Credit Hours

This course provides advanced study of local and wide area Novell networks. It focuses on installing the Novell network server and clients, troubleshooting the network, installation applications, and attaching peripherals. Students learn to optimize local and wide area networks to increase the performance. In addition, the course focuses on features such authentication, domains, system commands, and performance, handling printing problems, program fixes, backup and recovery, objects, and queues. Students will work with problem determination procedures, system bottlenecks and database measurement. Prerequisite: CIS1875. Lec. Hrs. 030 Lab Hrs. 020 Other Hrs. 000

## CIS2890 Installation and Configuration for Networks

### 4.0 Quarter Credit Hours

This course presents a practical, in-depth study of the techniques for installing, configuring, and troubleshooting hardware and software issues for networks. Students will prepare computers for networks with such activities as: 1) partitioning hard disks, 2) installing hardware such as network interface cards and cables, 3) installing software such as network operating system and drivers, and 4) adding peripherals such as printers to the network. Students will observe symptoms and then isolate problems to discern and correct network failure. Extensive practice in configuring and troubleshooting networks and installing application software. Prerequisite: CIS1875. Lec. Hrs. 010 Lab Hrs. 020 Other Hrs. 000

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## CIS2911 Multiplatform Networking

### 4.0 Quarter Credit Hours

This course prepares students to install, configure, and troubleshoot multiple networks internetworking in a multiplatform environment. Topics such as internetworking multiple vendor network software with associated hardware requirements will be covered. Peripherals such as printers, their diagnostics, and their troubleshooting in a multiplatform environment will be covered. Prerequisites: CIS2875 and CIS2320. Lec. Hrs. 030 Lab Hrs. 020 Other Hrs. 000

## CIS2950 Externship I

### 2.0 Quarter Credit Hours

This course provides the student with on-the-job experience in a business organization practicing network administration skills learned in the classroom. Students will be placed in a business organization working under the direction of an experienced network administrator. Emphasis will be on network system administration tasks such as creating and deleting users, adding peripherals to the network, and responding to user network needs. The course will focus on working in a project teamwork environment meeting deadlines with appropriate communications. Lec. Hrs. 000 Lab Hrs. 000 Other Hrs. 060

## CIS2952 Externship II

### 1.0 Quarter Credit Hours

This course provides advanced on-the-job experience in a business organization. Students will be placed in a business organization working under the direction of an experienced network engineer to practice advanced networking tasks such as implementing and monitoring network security, working with multiple networks, and wide area networks. As students configure and troubleshoot networks, they will focus on building appropriate business relationships and communicating with peers and supervisors. Lec. Hrs. 000 Lab Hrs. 000 Other Hrs. 030

## OST2705 Introduction to Word Processing

### 4.0 Quarter Credit Hours

This course provides an introduction to word processing. There is an emphasis on terminology, and the creation and editing of simple documents. Students will create, edit, spell check, save, and print a document. In addition, they will apply character formatting to a document. Students will perform file management skills such as saving a document under the same and a different name, locating, opening, and closing an existing document, and creating a subdirectory. Corequisite: CGS1501. Lec. Hrs. 010 Lab Hrs. 020 Other Hrs. 000

## SLS 1120 Strategies for Success

### 4.0 Quarter Credit Hours

Through discussion and application, this course is designed to promote proper study habits and skills that should enable the student to compete successfully in the higher education environment. Lec. Hrs. 040 Lab Hrs. 000 Other Hrs. 000

## SLS 1320 Career Skills

### 2.0 Quarter Credit Hours

A course designed to assist the student with personal and professional development for successful employment with a concentration on developing a positive self-image, assessing competitiveness strengths, career expectations, learning job search techniques, in addition to written skills and current resume preparation. Lec. Hrs. 010 Lab Hrs. 020 Other Hrs. 000

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## SLS1500 Workplace Relationships

### 2.0 Quarter Credit Hours

This course provides students the opportunity to study the building of appropriate interpersonal business relationships with coworkers, supervisors, and customers. Specific focus will be on developing and practicing effective customer service principles for building successful business networks. Prerequisite: None. Lec. Hrs. 010 Lab Hrs. 020 Other Hrs. 000

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## **Admissions**

### **Requirements and Procedures**

Students should apply for admission as soon as possible in order to be officially accepted for a specific program and starting date. To apply, students should complete the application form and bring it to the school, or call for a priority appointment to visit the school and receive a tour of its facilities.

All applicants are required to complete a personal interview with an admissions representative. Parents and spouses are encouraged to attend. This gives applicants and their families an opportunity to see the school's equipment and facilities, meet the staff and faculty, and to ask questions relating to the campus, curriculum and career objectives. Personal interviews also enable school administrators to determine whether an applicant is acceptable for enrollment in the program.

Once an applicant has completed and submitted the Enrollment Agreement, the school reviews the information and informs the applicant of its decision. If an applicant is not accepted, all fees paid to the school are refunded.

The school follows an open enrollment system. Individuals may apply up to one year in advance of a scheduled class start. The following items must be completed at the time of application:

- Enrollment Agreement (if applicant is under 18 years of age, it must be signed by parent or guardian); and
- Financial aid forms (if applicant wishes to apply for financial aid).

The school reserves the right to reject students if the items listed above are not successfully completed.

This campus does not offer training in English as a Second Language.

Prospective students must have a high school diploma or a recognized equivalency certificate (GED), and are required to furnish proof by providing the school with the diploma, official transcript or GED certificate. A copy of the document will be placed in the student's file.

### **Allied Health Programs**

Students entering an allied health program must also complete a Health Notice prior to the start of the training program. Health Notice forms are provided by the school.

### **Network Administration Program**

Students enrolling in the Network Administration program are required to pass the CPAt test with a minimum score of 150.

### **Credit for Previous Education or Training**

The Education Department will evaluate previous education and training that may be applicable to an educational program. If the education and/or training meet the standards for transfer of credit, the program may be shortened and the tuition reduced accordingly. Students who request credit for previous education and training are required to provide the school with an official transcript from the educational institution providing the training.

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## Administration Policies

### Academic Achievement

#### Grading

The progress and quality of students' work is measured by a system of letter grades and grade percentages. The meaning of each grade and its equivalent percentage is as follows:

Technical Programs				Allied Health Programs		
Grade	Meaning	Percentage	Point Value	Grade	Meaning	Percentage
A	Excellent	100-90	4.0	A	Excellent	100-90
B	Very Good	89-80	3.0	B	Very Good	89-80
C	Good	79-70	2.0	C	Good	79-70
D	Poor	69-60	1.0	F	Failing	69-0
F	Failing	59-0	0.0			

#### Student Awards

Awards for outstanding achievement are presented to deserving students based on performance and faculty recommendations. Graduates find that these awards can be an asset when they seek future employment. The Education Department can provide information regarding the specific awards presented.

#### Graduation Requirements

Students on academic probation may qualify for graduation if, at the end of the probationary term, they meet the Satisfactory Academic Progress requirements.

To be eligible for graduation, students in allied health programs must:

- Complete all required classroom modules with a grade of at least 70 percent;
- Meet the grade requirements for the module components, if applicable; and
- Complete all program requirements.

Students in technical programs must:

- Complete all required classroom training with a cumulative grade point average of at least 2.0;
- Pass the graduate exam, if applicable; and
- Complete all program requirements.

#### Satisfactory Academic Progress

##### Requirements

To remain eligible for financial aid and maintain continued active enrollment, students must show satisfactory academic progress.

In order to maintain satisfactory academic progress, students in allied health programs must:

- Achieve a cumulative grade percent average (GPA) of at least 70 percent (on a scale of 0-100 percent);
- Progress at a satisfactory rate toward completion of their programs; and
- Complete the training program within 1 1/2 times the planned program length.

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In order to maintain satisfactory academic progress, students in technical programs must:

- Achieve a cumulative grade point average (GPA) of at least 2.0 (on a scale of 0 to 4.0);
- Progress at a satisfactory rate toward completion of their programs; and
- Complete the training program within 1 1/2 times the planned program length.

Students whose cumulative GPA falls below 70 percent in allied health or below 2.0 in technical programs are notified that they are being placed on academic probation, which will begin at the start of the next term. Students on academic probation are considered to be making satisfactory academic progress.

### **Academic Probation**

The initial probationary period covers the module/quarter that starts immediately after students have been placed on academic probation. Students remain eligible for financial aid during this period. They are required to repeat the failed module during the probationary period unless the module is not offered at that time. In that case, the failed module must be repeated at the earliest possible date.

If, by the end of the probationary period, students achieve a cumulative GPA of at least 70 percent (allied health) or 2.0 (technical programs), they are notified that the probationary status is removed. If they have not achieved a cumulative GPA of at least 70 percent or 2.0, but have achieved a GPA of at least 70 percent or 2.0 for the probationary module, students may continue their training programs for a second probationary period. Students who do not achieve a GPA of 70 percent or 2.0 for the module will be withdrawn from training by the school.

Students who continue their training for a second probationary period will remain eligible for financial aid. If they achieve a cumulative GPA of at least 70 percent or 2.0 by the end of the second probationary period, they are informed that they have been removed from probation. Students who do not achieve a cumulative GPA of 70 percent or 2.0 will be withdrawn from training by the school.

### **Reinstatement Policy**

Students who have been terminated for failing to maintain satisfactory academic progress may be reinstated at the start of the next grading period through the appeal process. However, students will not be eligible for financial aid during the reinstatement term. If students achieve a cumulative GPA of at least 70 percent or 2.0 by the end of that term, they will be considered to be making satisfactory academic progress and will be eligible for financial aid consideration in subsequent terms.

### **Incompletes**

An "Incomplete" cannot be given as a final grade. However, at the end of the term students may, with the instructor's approval, be granted a maximum extension of 14 calendar days to complete the required class work, assignments and tests. The extension cannot be used to make up accrued absences from class. If students do not complete the required class work, assignments and tests within the extension period, they will receive a failing grade of "F" or "zero" for the module. The "F" or "zero" will be averaged in with the students' other grades to determine the cumulative GPA.

### **Withdrawals**

#### **Week One**

When students withdraw from a module during the first five school days of the module, their names will cease to appear on any class roster or grade report and grades will not be recorded. Students who wish to withdraw from a module during this time frame must request approval from the instructor or department head. The withdrawal request must then be approved by either the department head or education director. If a request for withdrawal is approved, the status of "Withdrawal" (W) is recorded but will not have an impact on the module grade or cumulative GPA.

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## Week Two through the End of the Module

To withdraw from a module after the first week, students must request approval from the instructor. Requests for withdrawal must then be approved by the department head and education director. Extreme academic or personal hardship is considered the only justification for withdrawal.

If a request for withdrawal is approved, the status of "Withdrawal Passing" (WP) or "Withdrawal Failing" (WF) is assigned. "WP" indicates that a student was passing the module (at least 70 percent or 2.0) as of the last day of attendance. "WF" indicates that a student was not passing the module (less than 70 percent or 2.0) as of the last day of class attendance.

Withdrawal status remains on record until students complete the module from which they withdrew. It will have no effect on the module grade or cumulative GPA.

Students who are contemplating withdrawing from a module should be cautioned that:

- The entire scheduled length of the module of study they are currently enrolled in is counted in their maximum program completion time;
- They may have to wait for the appropriate module to be offered;
- They must repeat the entire module from which they elected to withdraw prior to receiving a final grade; and
- Financial aid and/or tuition costs may be affected.

## Exit Interviews

Students who want to discontinue their training for any reason are required to schedule an exit interview with a school official. This meeting can help the school correct any problems and may assist students with their plans. In many cases, the problem hindering successful completion of the educational objective can be resolved during an exit interview.

## Repeat Policy

Students who fail a module/course must retake that module/course. The failing grade will be averaged into their GPA at the end of the module/course and remain in effect until the module/course is repeated and a new grade is earned. Students may repeat a failed module/course only once. If repeating the training is required, the length of the program must not exceed 1 1/2 times the planned program length.

When students repeat a module/course, the last grade received for that module/course replaces the original grade on the transcript (even if the original grade was higher), and this new grade is used to calculate the cumulative GPA. The attendance for the repeated module/course will replace the attendance for the original module/course.

Students who receive a passing grade for a module/course, but wish to repeat the module/course may do so (subject to seat availability), but they may repeat a completed module/course only once.

NOTE: This campus does not permit students to make up absences that accrue on their attendance record during the classroom training; however, all absences accumulated during an externship must be made up so that the entire number of required hours are completed.

## Maximum Program Completion Time

Students are expected to complete their program within the defined maximum program completion time, which should not exceed 1 1/2 times the normal time frame. This campus defines the normal time frame as the length of time it would take a student to complete the total program credit hours/units according to the Enrollment Agreement.

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In order to complete the training within the specified time, students must maintain a satisfactory rate of progress as defined below.

Students who have reached the halfway point of their maximum program completion time must have successfully completed 60 percent of the clock or credit hours/units attempted.

Students who have reached 75 percent of their maximum program completion time must have successfully completed 65 percent of the clock or credit hours/units attempted.

Measuring the rate of progress ensures that students will complete enough of the program at the end of each measurement point to finish the entire program within the maximum allowable time. The maximum completion time and satisfactory rate of progress for each program can be obtained from the Education Department.

If students exceed the maximum allowable program length or do not progress at a sufficient rate, their training program will be interrupted. No probationary status is allowed.

### **Additional Information on Satisfactory Academic Progress**

Additional information on satisfactory academic progress and its application to specific circumstances is available upon request from the education director.

### **Student Appeal Process**

Students are required to adhere to all of the policies and procedures of the school. Students who have been terminated for violating school policy and procedures may seek reentry by following the appeals process.

Students whose training programs are terminated by the school will be informed of the right to appeal that decision. Students must initiate the process within three school days or as soon as reasonably practicable as determined by school administration. Students must initiate the process by submitting a written request for re-admittance to the school president. The written request must address the reason(s) for termination and make a substantial showing of good cause to justify readmission.

Students will not be entitled to appeal if they are terminated for exceeding the maximum program completion time due to the criteria of the Accrediting Commissions.

### **Required Study Time**

In order to complete the required class assignments, students are expected to spend outside time studying. The amount of time will vary according to individual student abilities. Students are responsible for reading all study materials issued by their instructors and must turn in assignments at the designated time.

### **Unit of Credit**

#### **Academic**

A clock hour is a class period of 50 to 60 minutes of instruction. Clock hours are converted into credit units to allow for comparison with other postsecondary schools. Students earn one quarter credit unit for each 10 clock hours of lecture, 20 hours of laboratory or 30 hours of externship.



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## **Financial Aid**

Students may be awarded financial assistance, if eligible, based on the number of financial aid credit units they will earn. For certain educational programs, the U.S. Department of Education requires that students earn one financial aid credit unit for each 20 contact hours of instruction.

This requirement does not apply to all programs. Students should contact the Financial Aid Department for information regarding their program of study.

## **Class Size**

To provide meaningful instruction and training, classes are limited in size. Standard lecture classes average 24 students. The maximum class size is 27 students.

Laboratory classes enable students to receive hands-on training using equipment similar to that used by business and industry. To ensure that students receive the necessary time and attention to build experience and confidence, typical laboratory classes average 24 students in allied health labs and 26 students in electronics labs. The maximum class size for laboratory classes is 24 students in allied health and networking labs and 27 students in electronics labs.

## **Attendance Requirements**

Regular attendance and punctuality will help students develop good habits necessary for successful careers. Satisfactory attendance is established when students are present in the assigned classroom for the scheduled amount of time.

Students who miss more than 20 percent of the total classroom hours scheduled for the program will be dropped. Absences may include tardiness or early departures. (See Tardiness/Early Departure policy.) Students who are not in attendance for at least 51 percent of the scheduled class time will be considered absent for the day. Students who have been absent from all of their scheduled classes for 10 consecutive school days will be dropped from the training program.

Students who miss 15 percent of the total classroom hours will be advised that they are at risk of being dropped from the program. Students who miss 20 percent of the total classroom hours will be advised that they are terminated from the program. If terminated, students must successfully appeal their termination within three school days in order to continue their training without interruption. (See Student Appeal Policy.) If their termination is not successfully appealed, they will remain dropped from the program.

Networking Administration students whose absences exceed 15 percent of the total hours scheduled for a class or classes will be placed on Attendance Warning for that class or classes. If the student's absences exceed 20 percent of the total hours scheduled for a class or classes, the student will be placed on Attendance Probation for that class or classes. While on Attendance Probation, the student is to meet with the Director of Education to discuss his/her attendance and academic progress in an effort to develop a plan to improve the student's overall performance. If a Network Administrations student's absences exceed 25 percent of the total hours scheduled for a class or classes, the student may be withdrawn from the class or classes if the instructor(s) and the Director of Education concur that the student's academic performance is below the level to pass the course.

Students are not permitted to make up absences for the classroom-training portion of their program. However students must make up absences that occur during the externship to ensure that the required extern hours are completed prior to graduation.

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Students are encouraged to schedule medical, dental or other personal appointments after school hours. If a student find that he/she will unavoidably absent, he/she should notify the school.

### **Tardiness/Early Departure**

Students who arrive for class after the scheduled start time will receive a tardy on their attendance record. Students who depart from class before the scheduled completion time will receive an early departure on their attendance record. Students who accumulate a total of four tardies and/or early departures will accrue one day of absence on their attendance record.

### **Reentry Policy**

Students must strive for perfect attendance. We understand that there are extenuating circumstances that may cause a student to violate the attendance policy. Upon a showing of good cause through the appeals process, a student may apply for reentry to the school.

Students who have been terminated for violating the attendance policy may apply for reentry to the school through the appeals process. (See Student Appeals Process policy.) Students reentered after violating the attendance policy may not be absent more than 20 percent of the total of the remaining classroom hours. Normally approval for reentry will be granted only once. However, in those instances where extenuating circumstances exist, a student may be allowed to reenter more than once with appropriate documentation and the approval of the School President.

### **Make-up Work**

Students are required to make up all assignments and work missed as a result of absence. The instructor may assign additional outside make-up work to be completed for each absence. Arrangements to take any tests missed because of an absence must be made with the instructor and approved by the school administration.

### **Veteran Students**

The Veterans Administration has established rules and regulations pertaining to attendance policy and procedures. The Education Department can provide this information upon request.

### **Leave of Absence Policy**

The institution permits students to request a leave of absence (LOA) for up to 180 days during any 12-month period if there are legitimate extenuating circumstances that require the students to interrupt their education.

In order for a student to be granted an LOA, the student must provide the School President, Director of Education, or Department Chair with a written request, prior to the leave of absence, outlining the reasons for the LOA request and the date the student expects to return to school.

If the leave of absence request is approved by the institution, a copy of the request – dated and signed by both parties, along with other necessary supporting documentation – will be placed in the student’s file.

### **Re-admission Following a Leave of Absence**

Upon the student’s return from an LOA, the student will be permitted to complete the coursework begun prior to the leave of absence.

The institution will make every attempt to ensure that students can re-enter at the point at which their education was interrupted and will enable them to complete the coursework begun prior to the leave of absence request. However, if the institution recognizes that it will be unable to assure that a student can

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re-enter and complete the assignments begun prior to the leave of absence, under federal law the student's request for an LOA will have to be denied.

### **Failure to Return from a Leave of Absence**

A student who fails to return from an LOA on or before the date indicated in the written request will be terminated from the program, and the institution will invoke the Cancellation/Refund Policy.

As required by federal statute and regulations, the student's last date of attendance prior to the approved leave of absence will be used in order to determine the amount of funds the institution earned and make any refunds which may be required under federal, state, or institutional policy (See Cancellation/Refund Policy).

Students who have received federal student loans must be made aware that failure to return from an approved leave of absence, depending on the length of the LOA, may have an adverse effect on the students' loan repayment schedules.

Federal loan programs provide students with a "grace period" which delays the students' obligation to begin repaying their loan debt for six months (180 days) from the last date of attendance. If a student takes a lengthy LOA and fails to return to school after its conclusion, some or all of the grace period may be exhausted – forcing the borrower to begin making repayments immediately.

### **Effects of Leave of Absence on Satisfactory Academic Progress**

Students who are contemplating a leave of absence should be cautioned that one or more of the following factors may affect their eligibility to graduate within the maximum program completion time:

- Students returning from a leave of absence are not guaranteed that the module required to maintain the normal progression in their training program will be available at the time of re-entry.
- They may have to wait for the appropriate module to be offered.
- They may be required to repeat the entire module from which they elected to withdraw prior to receiving a final grade.
- Financial aid and/or tuition costs may be affected.

### **Weather Emergencies**

The school reserves the right to close during weather emergencies or other "acts of God." Under these conditions, students will not be considered absent. Instructors will cover any missed material to ensure completion of the entire program.

### **Clothing and Personal Property**

All personal property is the sole responsibility of the student, and the school does not assume liability for any loss or damage. Clothing and other small items should be marked clearly with the student's name and address. Vehicles should always be locked to avoid theft.

### **Code of Conduct**

Students are required to follow standards of conduct that are typical of the working world. Students may be placed on probation or terminated for violation of the school's personal conduct standards. Violations include dishonesty, possession of a weapon except by designated law enforcement officers, unprofessional conduct, use of profanity, noncompliance with safety rules, use of alcohol or drugs on school property and vandalism of school property or equipment. Students will be placed on probation for

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a maximum of 90 days. If, in the opinion of the school president, they demonstrate adherence to the personal conduct rules, the probation period may be shortened. If terminated, students may re-enter the following term with permission of the school president.

## **Dress Code**

A clean, neat appearance will help students develop appropriate dress habits for new careers. Employers may visit the campus to interview students for jobs and to give guest lectures, so it is important that the student body convey a professional image at all times.

Dress and grooming should be appropriate for the area of study. Because a variety of business and industrial equipment is used during training, certain items of clothing - such as shorts and open shoes - are not acceptable for obvious safety reasons.

Students may have limited funds, so wardrobes need not be expensive or extensive - simply in good taste. Women may wear skirts and blouses, dresses or slacks. For men, acceptable items include slacks, sports shirts, dress shirts, and coat and tie when required.

Students dressed inappropriately will not be admitted to school. Those who continually disregard the dress code will be warned and, if necessary, disciplinary action will be taken.

## **Allied Health Programs**

Students enrolled in allied health programs are required to wear the standard medical uniform and shoes with a closed heel and toe as described in the school's dress code policy. Uniforms are not included in the tuition price and should be ordered as soon as possible after acceptance into the program. Students should review the established dress and appearance guidelines for details. This information will be available upon enrollment.

## **Academic Advisement and Tutoring**

Students' educational objectives, grades, attendance and conduct are reviewed on a regular basis. Students will be notified if their academic standing or conduct is unacceptable. Failure to improve academic standing or behavior may result in further action. Tutorial programs and academic advisement are provided for students who are experiencing difficulties with their class work. Students are encouraged to seek academic assistance through the Education Department.

## **Disabled Students**

Disabled students should make arrangements to meet with the school president prior to the start of class to review facilities and required accommodations.

## **Health/Medical Care**

Students must take proper care of their health so that they can do their best in school. This means regular hours, plenty of sleep, sufficient exercise and nutritious food. Students who become seriously ill or contract a communicable disease should stay home and recover, but remember to notify the school immediately. All medical and dental appointments should be made for after school hours.

The school will not be responsible for rendering any medical assistance, but will refer students to the proper medical facility upon request.

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## Termination Procedures

Students may be terminated by the school for cause. Examples include, but are not limited to, the following:

- Violation of the school's attendance policy.
- Failure to maintain satisfactory academic progress.
- Violation of personal conduct standards.
- Inability to meet financial obligations to the school.

Students to be terminated are notified in writing and may appeal to the school president.

## Transferability of Credits

The school president's office provides information on schools that may accept this campus' course credits toward their programs. However, this school does not guarantee transferability of credits to any other college, university or institution, and it should not be assumed that any courses or programs described in this catalog can be transferred to another institution. Any decision on the comparability, appropriateness and applicability of credits and whether they may be accepted is the decision of the receiving institution.

## Comparability of Programs

Students who want information regarding how tuition, fees and program length compare to other institutions should contact the Accrediting Commission of Career Schools and Colleges of Technology, 2101 Wilson Boulevard, Suite 302, Arlington, Virginia 22201, (703) 247-4212.

## Student Complaint/Grievance Procedure

Persons seeking to resolve problems or complaints should first contact their instructor. Unresolved complaints should be made to the education director. Students who feel that the complaint has not been adequately addressed should contact the school president. Written responses will be given to the student within seven working days. If the problem remains unresolved, students may contact the CSi Student Help Line at (800) 874-0255.

Schools accredited by the Accrediting Commission of Career Schools and Colleges of Technology must have a procedure and operational plan for handling student complaints. If a student feels that the school has not adequately addressed a complaint or concern, the student may consider addressing their complaint(s) to the Accrediting Commission. All complaints considered by the Commission must be in written form, with permission from the complainant(s) for the Commission to forward a copy of the complaint to the school for a response. The complainant(s) will be kept informed as to the status of the complaint as well as the final resolution by the Commission. A copy of the Commission's Complaint Form is available at the school and may be obtained by contacting the school president. Please direct all inquiries to:

Accrediting Commission of Career Schools and Colleges of Technology  
2101 Wilson Boulevard, Suite 302 - Arlington, Virginia 22201  
(703) 247-4212

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## Policy and Program Changes

The school catalog is current as of the time of printing. CSi reserves the right to make changes in organizational structure, policy and procedures as circumstances dictate. This campus reserves the right to make changes in equipment and materials and modify curriculum as it deems necessary. When size and curriculum permit, classes may be combined to provide meaningful instruction and training and contribute to the level of interaction among students. Students are expected to be familiar with the information presented in this school catalog.

## Financial Information

### Tuition and Fees

The Enrollment Agreement obligates the student and the school for the entire program of instruction. Students' financial obligations will be calculated in accordance with the refund policy in the contract and this school catalog. Each program consists of the number of terms listed below. The content and schedule for the programs and academic terms are described in this catalog.

Program	Program Length	Credit Units	Tuition
Electronics & Computer Technology	10 Modules	120	\$17,400
Medical Business & Clinical Specialist	12 Modules	65	\$9,450
Network Administration	5 Quarters	66	\$16,600
Phlebotomy	2 Modules	12	\$1,600

### Voluntary Prepayment Plan

The school provides a voluntary prepayment plan to students and their families to help reduce the balance due upon entry. Details are available upon request from the Financial Aid Office.

## Cancellation/Refund Policy

The College employs a fair and equitable refund policy that complies with federal, state, and accrediting guidelines for the return of unearned tuition and fees in the event of cancellation, termination or withdrawal.

Detailed below are the specific federal, state and institutional refund policies and procedures that will be used to ensure that the College retains only funds that have been earned according to the applicable refund policy. In the event that a refund is required, these policies will ensure that any and all refunds are paid to the appropriate entity in a timely fashion.

### Cancellations

When students enroll in a program of study, they reserve places that cannot be made available to other students. The Enrollment Agreement does not constitute a contract until it has been approved by an official of the school. If the agreement is not accepted by the school, all monies will be refunded.

Students have the right to cancel the Enrollment Agreement at any time. Cancellation will occur when they give written notice of cancellation at the school address shown on the front page of the Enrollment Agreement. Notice of cancellation may be given by mail, hand delivery or telegram. The notice of cancellation, if sent by mail, is effective when deposited in the mail, properly addressed with postage prepaid. The written notice of cancellation need not take any particular form and, however expressed, is

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effective if it states that a student no longer wishes to be bound by the Enrollment Agreement. Students will not be penalized if they fail to cancel their enrollment in writing.

If a student cancels within three calendar days of executing the Enrollment Agreement and before the start of classes, all monies paid, including the registration fee, will be refunded. If a student cancels more than three calendar days after executing the Enrollment Agreement and before the start of classes, the school will retain the registration fee and refund any other monies paid.

Students will not be charged tuition if they begin their training program and withdraw prior to midnight of the fifth business day following their first scheduled class session. However, they must pay the registration fee stated on the Enrollment Agreement.

Students who withdraw as described above must return all training materials included in the cost of tuition within five business days from the date of withdrawal. They will be charged for materials that are not returned in good condition. Students enrolled in a program that requires them to purchase training materials will be subject to the school's textbook return policy.

Students who have not visited the school prior to enrollment may withdraw without penalty within three days following either the regularly scheduled orientation procedures or a tour of the school and inspection of equipment.

### **Refunds**

This institution is certified by the U.S. Department of Education as an eligible participant in the federal student financial aid (SFA) programs established under the Higher Education Act of 1965 (HEA), as amended.

To calculate refunds under the Federal Return of Title IV Funds policy, institutions must complete two separate calculations. First, the institution must determine how much of the tuition, fees and other institutional charges it is eligible to retain using either the state or institutional refund policy. Then, using the Federal Return of Title IV Funds policy, the institution determines how much federal assistance the student has earned which can be applied to the institutional charges.

If the student received more SFA funds than he or she earned under the Federal Return of Title IV Funds policy, the institution, and in some cases the student, is required to return the unearned funds to the Federal Treasury.

Any unpaid balance that remains after the Return of Title IV Funds policy has been applied to the state or institutional policy must be paid by the student to the institution.

### **Refund Policies**

Any monies due applicants or students will be refunded within 60 days of cancellation, failure to appear on or before the first day of class, withdrawal or termination. If a student has financed all or part of the program with a third party or government fund, refunds will be paid or credited to the student's account. Refund computations will be based on the last date of attendance.

In case of prolonged illness or accident, death in the family or other circumstances that make it impractical to complete the program, the school will make a settlement that is reasonable and fair to both parties.

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### Institutional Refund Calculation

For students who are attending this campus for the first time and terminate their training before completing more than 60 percent of their first enrollment period (academic year), the school will perform a pro rata refund calculation.

Under a pro rata refund calculation, the school is entitled to retain only the percentage of school charges (tuition, fees, room, board, etc.) proportional to the period of enrollment completed by the student.

The period of enrollment completed by the student is calculated by dividing the total number of weeks in the enrollment period into the number of weeks completed in that period (as of the last recorded day of attendance by the student).

The percentage of weeks attended is rounded up to the nearest 10 percent and multiplied by the school charges for the period of enrollment. The institution will exclude from the institutional charges used to calculate the pro rata refund a reasonable administrative fee not to exceed \$100 or 5% of the total institutional charges, whichever is less.

The school may retain the entire contract price of the period of enrollment - including tuition, fees and other charges - if the student terminates the training after completing more than 60 percent of the enrollment period.

In the second and subsequent periods of enrollment, the school will refund tuition, fees and other charges as follows:

Time of Withdrawal	Amount School Refunds
On or before first day of class	100% of total tuition charges for enrollment period
After first day of class but before 10% of enrollment period is completed	90% of total tuition charges for enrollment period
After 10% but before 25% of enrollment period is completed	50% of total tuition charges for enrollment period
After 25% but before 50% of enrollment period is completed	25% of total tuition charges for enrollment period

### Federal Return of Title IV Funds Policy

All institutions participating in the SFA programs are required to use a statutory schedule to determine the amount of SFA funds the student had earned when he or she ceases to attend, which is based on the period of time the student was in attendance.

If a recipient of the SFA Program withdraws from the College during a payment period or a period of enrollment in which the recipient began attendance, the College must calculate the amount of SFA program assistance the student did not earn, and those funds must be returned. Up through the 60% point in each payment period or period of enrollment, a pro-rata schedule is used to determine how much SFA Program funds the student has earned at the time of withdrawal. After the 60% point in the payment period or period of enrollment, a student has earned 100% of the SFA funds.

The percentage of the payment period or period of enrollment completed is determined by:  
The percentage of the payment period or period of enrollment completed is the total number of calendar days\* in the payment period or period of enrollment for which the assistance is awarded divided into the number of calendar days\* completed in that period as of the last date of attendance.



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\*Scheduled breaks of at least five consecutive days are excluded from the total number of calendar days in a payment period or period of enrollment (denominator) and the number of calendar days completed in that period (numerator).

### Return of Unearned SFA Program Funds

The College must return the lesser of –

- The amount of SFA program funds that the student did not earn; or
- The amount of institutional costs that the student incurred for the payment period or period of enrollment multiplied by the percentage of funds that were not earned.

The student (or parent, if a Federal PLUS loan) must return or repay, as appropriate:

- Any SFA loan funds in accordance with the terms of the loan; and
- The remaining unearned SFA program grant (not to exceed 50% of a grant) as an overpayment of the grant.

(Note: The student (parent) must make satisfactory arrangements with the U.S. Department of Education and/or the College to repay any outstanding balances owed by the student. However, there are a number of repayment plans that are available to assist the student in meeting repayment obligations. The Student Finance Department will counsel the student in the event that a student repayment obligation exists. The individual might be ineligible to receive additional student financial assistance in the future if the financial obligation(s) are not satisfied.)

### Remittance to the Federal Government

If it is determined that a federal refund is due, the statute and the regulations clearly define the order in which remaining federal student financial aid program funds are to be returned. Based on the student's financial aid award(s) (his/her parent(s) in the case of PLUS Loans) the return of federal funds will be remitted to the appropriate program in the following order:

1. Unsubsidized Federal Stafford Loan Program;
2. Subsidized Stafford Loan Program;
3. Unsubsidized Federal Direct Stafford Loan Program;
4. Subsidized Federal Direct Stafford Loan Program;
5. Federal Perkins Loan Programs;
6. Federal PLUS Loan Program;
7. Federal Direct PLUS Loan Program;
8. Federal Pell Grant Program;
9. Federal Supplemental Educational Opportunity Grant (SEOG) Program;
10. Other federal, state, private and/or institutional sources of aid; and
11. The student.

### State Refund Requirements

The State of West Virginia Postsecondary Education does not define specific refund requirements.

### Veteran Students

The Veterans Administration has established rules and regulations pertaining to refund policy and procedures. The Financial Aid Department can provide this information upon request.

### Textbook Policy

All textbooks are included in the cost of tuition. Allied health uniforms and incidental supplies, such as paper and pencils, are to be furnished by students. The estimated cost of these items is \$200.

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## Financial Assistance

This Campus offers students several options for payment of tuition. Those able to pay tuition are given a plan to help reduce their fees upon entry. On the other hand, the school recognizes that many students lack the resources to begin their educational training. The campus participates in several types of federal, state and institutional financial aid programs, most of which are based on financial need.

Students seeking financial assistance must first complete the Free Application for Federal Student Aid. The school's financial aid representative uses this form to determine students' needs and assist them in deciding what resources are best suited to their circumstances.

If students withdraw from school, an adjustment in the amount they owe may be made, subject to the refund policy of the school. If they received financial aid in excess of what they owe the institution, these funds must be restored to the federal fund account or to the lender if they received a federal loan.

The priority for returning funds is as follows: 1) Unsubsidized FSL, 2) Subsidized FSL, 3) FPLUS, 4) Perkins, 5) Pell, 6) FSEOG, 7) Other programs, 8) Student/Parent.

The following are descriptions of the financial aid programs available at this school. Additional information can be obtained through the Financial Aid Office. Information regarding benefits available from the Bureau of Indian Affairs or the Vocational Rehabilitation Program can be obtained through those agencies.

### Federal Pell Grant

The Federal Pell Grant Program is the largest federal student aid program. For many students, these grants provide a foundation of financial assistance that may be supplemented by other resources. Eligibility for the Federal Pell Grant Program is determined by a standard formula that is revised and approved every year by the federal government. Unlike loans, grants do not have to be paid back.

### Federal Stafford Loan (FSL)

Formerly the Guaranteed Student Loan (GSL), this low-interest loan is available to qualified students through the lending institutions or agencies participating in the program and is guaranteed by the U.S. government. Repayment starts six months after the student drops below half-time status, terminates training or graduates.

### Federal Supplemental Educational Opportunity Grant (FSEOG)

Students who are unable to continue their education without additional assistance may qualify for this program. Grants are based on the funds available and do not have to be repaid. Need is determined by the financial resources of the student and parents, and the cost of attending the school.

### Federal Perkins Loan

Previously known as the National Direct Student Loan, this low-interest loan is available to qualified students who need financial assistance to meet educational expenses. Repayment of the loan begins nine months after graduation or termination of training.

### Federal Parent Loan for Undergraduate Students (FPLUS)

The Federal Parent Loan for Undergraduate Students (FPLUS) provides additional funds to help parents pay for educational expenses. The interest rate for these loans is competitive and the repayment schedules differ. Loan origination fees may be deducted from the loan by the institution making the loan as set forth by government regulations.

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### Federal Work Study (FWS)

The purpose of the Federal Work-Study (FWS) Program - formerly called the College Work-Study (CWS) Program - is to give part-time employment to students who need the income to help meet the costs of postsecondary education and to encourage FWS recipients to participate in community service activities. Funds under this program are limited.

### High School Scholarship Program

Ten \$2,000 scholarships are available to be awarded to graduating high school seniors. Winners may choose any of the curricula offered by the school. If the cost of the program is less than the scholarship amount, only that portion needed to cover the tuition will be granted and applied to the student's account.

High school seniors may obtain scholarship applications from a participating high school guidance department or they may call the school for an application. Students must fill out the application completely and obtain the signature of a counselor or a mathematics, science or vocational-technical teacher. Applications should be received or turned in by the end of March or by the designated deadline.

All applicants must take the Career Program Assessment Test (CPAt), which measures competency in reading, language and mathematics. Applicants may take the test at their convenience with a scheduled appointment and after completing the application. Tests should be taken by the end of April. The top 15 scores will become the finalists.

A panel of outside school officials and representatives of local employers interview finalists about their personal and career goals, accomplishments and extracurricular activities. This panel will select winners by vote and rank all finalists. In the event that scholarships are offered but not accepted, alternates may be selected according to rank established by the panel.

Scholarships will be awarded annually. They are not transferable and cannot be exchanged for cash. Scholarships are good from June through August of the year awarded. The scholarship cannot be used in conjunction with any of the other two types of scholarships offered by NIT.

### Imagine America Scholarships

This institution participates in the Imagine America scholarship program operated by the Career Training Foundation of Washington D.C.

Under this scholarship program, two \$1,000 Imagine America scholarships are available at each participating high school and can be awarded to two graduating high school seniors from that school.

Scholarship certificates are sent directly to the high school from the Career Training Foundation of Washington D.C. The high school guidance counselor and the high school principal select the students of their choice to receive the award. Certificates have to be signed by the counselor and principal to be valid. The chosen high school seniors can each only receive one Imagine America scholarship.

Imagine America scholarship certificates are to be given to the Financial Aid Office prior to class commencement, are non-transferable and cannot be exchanged for cash. Scholarship certificates will be accepted until October 31, of the year in which they are awarded. The scholarship cannot be used in conjunction with any of the other two types of scholarships offered by NIT.

### President's Scholarships

Four \$1,500 President's Scholarships are available during a calendar year. One scholarship is awarded each quarter (three month period). Winners may apply the award to any program. All applicants must complete the quarter for the award with a minimum of 95% attendance and a 3.4 or higher GPA.

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Qualifying applicants will write an essay of not more than 250 words describing their career goals and their motivation to complete their existing program. A panel of community representatives, school officials and representatives of local employers will interview and read the essays in order to select the winner.

The President's Scholarships are to be used only at this school toward tuition. The scholarships are non-transferable and cannot be exchanged for cash. The scholarship must be used within two months of receipt of said scholarship. Only one President's Scholarship can be won by each student and cannot be used in conjunction with any of the other two types of scholarships offered by NIT.

## **Student Services**

### **Placement Assistance**

#### **Student**

This campus assists students in finding part-time or full-time employment while they attend school. Assistance includes advice in preparing for an interview, aid in securing an interview and a list of available jobs.

#### **Graduate**

The school encourages students to maintain satisfactory attendance, conduct and academic progress so they may be viewed favorably by prospective employers. While the school cannot guarantee employment, it has been successful in placing the majority of its graduates in their field of training. All graduating students participate in the following placement assistance activities:

- Preparation of resumes and letters of introduction – an important step in a well-planned job search.
- Interviewing techniques. Students acquire effective interviewing skills through practice exercises.
- Job referral by Placement Department. The Placement Department compiles job openings from employers in the area.

All students are expected to participate in the placement assistance program and failure to do so may jeopardize these privileges. Graduates may continue to utilize the school's placement assistance program at no additional cost.

### **Student Activities**

Throughout the school year, activities that encourage school spirit and develop student leadership may be offered. The school believes that participation in these activities is an important part of the educational process, and student involvement is encouraged.

### **Housing Assistance**

Although the school does not maintain dormitory facilities, students who are relocating and must arrange their own housing may request additional assistance from the Student Services Department.

### **Transportation Assistance**

The school maintains information on public transportation and a list of students interested in car pooling.

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## **Field Trips**

This campus believes that training is enriched by observing real-life applications. When appropriate, visits are arranged to industrial or professional locations.

## **Special Lectures**

Guest lecturers are invited to speak to students about career opportunities and current industry applications of educational programs.

## **Drug Abuse Prevention**

Information on drug abuse prevention is available at the school for all students and employees.

## **Advising**

The school provides advising to students on issues involving education and academics. For personal problems that may require professional advising or counseling, the school has information available on community resources that address these types of problems.

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## Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student's education records within 45 days of the day the Institution receives a request for access. - Students should submit to the Institution President written requests that identify the record(s) they wish to inspect. The Institution official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the Institution official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading. - Students may ask the Institution to amend a record that they believe is inaccurate or misleading. They should write the Institution official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the Institution decides not to amend the record as requested by the student, the Institution will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. - One exception which permits disclosure without consent is disclosure to institution officials with legitimate educational interests. An institution official is a person employed by the Institution in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the Institution has contracted (such as an attorney, auditor, or collection agent); a person serving on the board or Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another institution official in performing his or her tasks. An institution official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility. Upon request, the Institution discloses education records without consent to officials of another institution in which a student seeks or intends to enroll.

Directory information is information that may be unconditionally released to third parties by the school without the consent of the student unless the student specifically requests that the information not be released. The school requires students to present such requests in writing within 10 days of the date of enrollment. Directory information includes the student's name, address(es), telephone number(s), birth date and place, program undertaken, dates of attendance and certificate or diploma awarded.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the Institution to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office  
Department of Education  
600 Independence Avenue, SW  
Washington, DC 20202-4605

Additional FERPA information is available from the Institution's Business Office.

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## Corinthian Schools

The following schools are owned and operated by Corinthian Schools, Inc.:

Bryman College	Anaheim, CA
Bryman Institute	Brighton, MA
Bryman College	El Monte, CA
Bryman College	Gardena, CA
Bryman College	Los Angeles, CA
Bryman College	New Orleans, CA
Bryman College	Ontario, CA
Bryman College	Reseda, CA
Bryman College	San Francisco, CA
Bryman College	West Los Angeles
Bryman College	Whittier, CA
Bryman College North	San Jose, CA
Bryman College South	San Jose, CA
Career Training Academy	Pleasanton, CA
Career Training Academy	San Jose, CA
Georgia Medical Institute	Atlanta, GA
Georgia Medical Institute	Jonesboro, GA
Georgia Medical Institute	Marietta, GA
Harbor Medical College	Torrance, CA
Kee Business College	Chesapeake, VA
Kee Business College	Newport News, VA
National Institute of Technology	Atlanta, GA
National Institute of Technology	Cross Lanes, WV
National Institute of Technology	Houston (Galleria)
National Institute of Technology	Houston (Greenspoint)
National Institute of Technology	Long Beach, CA
National Institute of Technology	San Antonio, TX
National Institute of Technology	Southfield, MI
National Institute of Technology	Wyoming, MI
Olympia Career Training Institute	Grand Rapids, MI
Olympia Career Training Institute	Kalamazoo, MI
Olympia College	Merrillville, IN

### Statement of Ownership

This campus is owned and operated by Corinthian Schools, Inc., a Delaware corporation, which is a wholly owned subsidiary of Corinthian Colleges, Inc., a Delaware corporation. Corporate offices are located at 6 Hutton Centre Drive, Suite 400, Santa Ana, CA 92707.

### Officers

David G. Moore	President and Chief Executive Officer
Paul St. Pierre	Executive Vice President, Marketing and Admissions
Dennis N. Beal	Executive Vice President and Chief Financial Officer
Dennis Devereux	Executive Vice President, Human Resources
Mary H. Barry	Vice President, Education
Beth A. Wilson	Vice President, Operations
Nolan Miura	Vice President, Strategic Planning, Treasurer
Stan A. Mortensen	Vice President, General Counsel





**National Institute of Technology  
Cross Lanes, West Virginia  
2001-2002 Catalog**

◆ **Addendum #1 – March 30, 2001**

*The May 28 Start Date in the NA Day/Evening Calendar on page 5 is changed to Tuesday May 29.*

◆ **Addendum #2 - Effective May 21, 2001**

The Network Administration program on page 18 has been revised to the following:

**Network Administration**

**Diploma Program - 12 Months**

920 Clock Hours/72.0 Credit Units

This program provides comprehensive training in multi-platform local area and wide area networks. Complete coverage of hardware and operating systems will be covered for several different computer networking platforms. Training will be given in a variety of current technologies including Cisco, Microsoft, Novell, Unix, and Linux, which will enable students to qualify for job opportunities such as entry-level systems engineer or network administrator. Upon successful completion of all areas of the 12-month program, students will be awarded a diploma.

<u>Course Title</u>	<u>Clock Hours</u>	<u>Credit Units</u>
CGS 1270 Introduction to Desktop Computing	50	4.0
CGS 1275 Computer Operating Systems	50	4.0
CGS 1280 Computer Hardware Concepts	50	4.0
CEN 1800 Diagnostics and Troubleshooting	30	2.0
CGS 1300 Computer Networking Fundamentals	30	2.0
CEN 1335 UNIX Operating System	50	4.0
CEN 2100 Linux Operating System	50	4.0
CEN 1505 Novell Administration I	50	4.0
CEN 2505 Novell Administration II	50	4.0
CEN 2530 Cisco Routers I	50	4.0
CEN 2531 Cisco Routers II	50	4.0
CGS 2210 Windows 2000 Professional	50	4.0
CEN 2306 Windows 2000 Server	50	4.0
CEN 2320 Windows 2000 Network Infrastructure	50	4.0
CEN 2600 Windows 2000 Directory Services Infrastructure I	30	2.0
CEN 2650 Windows 2000 Directory Services Infrastructure II	50	4.0
CEN 2700 Windows 2000 Directory Services Design	50	4.0
CEN 2711 Implementing & Supporting Microsoft Proxy Server	50	4.0
CEN 2720 Implementing & Supporting Microsoft Exchange Server	50	4.0
SLS 1055 Professional Development	30	2.0
<b>Program Total</b>	<b>920</b>	<b>72.0</b>

**Course Descriptions**

**CGS 1270 Introduction to Desktop Computing**

**4 Quarter Credit Hours**

This course introduces the student to the personal computer and the Windows desktop environment. The software applications and accessories that are incorporated into the Windows 98 operating system are covered in detail, including using icons, applying shortcuts, and performing system checkups and minor diagnostics. Basic computer system architecture and end-user Internet skills will be introduced. To prepare students for the essential skills necessary for effective computer use, this course also develops keyboarding speed and accuracy through an intense review of letters, numbers, and symbols. Timed drill activities focus on frequently typed letter combinations, difficult reaches, and random letter, symbol, and number drills. Lecture Hrs. 30 Lab Hrs. 20.



### **CGS 1275 Computer Operating Systems**

This course focuses on the software operating systems that run today's personal computers. Through a combination of lectures and hands-on labs, students will demonstrate basic knowledge and abilities to operate the MS-DOS, Windows 9x and Windows 2000 operating systems. Emphasis will be placed on commands, functions, and terminology through practical instruction in the installation, configuration, and upgrade of MS-DOS and Windows. Students will also be introduced to the basics of troubleshooting and repair. Lecture Hrs. 30 Lab Hrs. 20. Corequisite: Introduction to Desktop Computing.

**4 Quarter Credit Hours**

### **CGS 1280 Computer Hardware Concepts**

This course provides an in-depth look at the variety of hardware components and their related functions as found in today's personal computer. Students will learn to install, configure, and troubleshoot PC hardware including system boards, memory, power supplies, hard and floppy drives, sound cards, and more. Other topics to be discussed include related peripherals such as printers, and networking basics. Lecture Hrs. 30 Lab Hrs. 20. Corequisite: Introduction to Desktop Computing.

**4 Quarter Credit Hours**

### **CEN 1800 Diagnostics and Troubleshooting**

This course builds on the material covered in the two prerequisites to give the student experience in diagnosing, troubleshooting, and repairing PC hardware and operating systems. By the end of the course, students should have the ability to build a fully functioning personal computer from scratch, as well as diagnose and repair malfunctions in an existing machine. Lecture Hrs. 10 Lab Hrs. 20. Prerequisite: Computer Hardware Concepts and Computer Operating Systems.

**2 Quarter Credit Hours**

### **CEN 1300 Computer Networking Fundamentals**

This course provides an overview of the field of local area networking and internetworking. Students are introduced to the terminology, operating systems, hardware, and administration of various components of a computer network, including network topology, TCP/IP, the OSI reference model, and network security, among others. Students learn and perform basic end-user functions and introductory administration operations of a network. Prerequisite: none. Lecture Hrs. 10 Lab Hrs. 20.

**2 Quarter Credit Hours**

### **CEN 1335 UNIX Operating System**

This course is designed give the student a basic introduction to administering UNIX Operating Systems. A major Operating System in today's computing environment, UNIX is highly utilized in Internet and networking applications. The student will learn the basic commands, file system, shell and basic administration. The course software platform will be UnixWare 7.0, from SCO. Prerequisite: none. Lecture Hrs. 30 Lab Hrs. 20.

**4 Quarter Credit Hours**

### **CEN 2100 Linux Operating System**

This course enables students to gain an understanding of the Red Hat Linux 6.0 operating system. Based upon the UNIX operating system, Linux has found a place among computer professionals as stable and flexible platform for variety of networking applications, including Internet servers. Students learn about GNOME, the graphical user interface that makes it easy for students to configure Linux features and programs. Prerequisite: none. Lecture Hrs. 30 Lab Hrs. 20.

**4 Quarter Credit Hours**

### **CEN 1505 Novell Administration I**

This course introduces students to the competencies required to administer a computer network based upon technology from Novell. The emphasis is on fundamental network management tasks as well as the related terminology, hardware, and software features associated with the NetWare 5 Network Operating System. Topics include an overview of NetWare 5, NDS, file management, and connectivity. Prerequisite: Computer Networking Fundamentals. Lecture Hrs. 30 Lab Hrs. 20.

**4 Quarter Credit Hours**

### **CEN 2505 Novell Administration II**

Combined with Novell Administration I, this course focuses on providing an understanding of the fundamental properties of the NetWare 5 Network Operating System. Topics covered in this course include NetWare 5 security, Z.E.N. works, NDPS, and installing NetWare 5. Prerequisite: Novell Administration I. Lecture Hrs. 30 Lab Hrs. 20.

**4 Quarter Credit Hours**

### **CEN 2530 Cisco Routers I**

This course introduces students to internetworking utilizing software and hardware developed by Cisco Systems Inc. Through a combination of lectures and hands-on labs, students will learn about a variety of topics related to networked computing: network architecture, network protocols, IP addressing and subnetting, and the Cisco Router User Interface are among the areas to be discussed. Additional topics to be covered include current

**4 Quarter Credit Hours**



switching technologies and the IP Routing process. Prerequisite: Computer Networking Fundamentals. Lecture Hrs. 30 Lab Hrs. 20.

**CEN 2531 Cisco Routers II**

**4 Quarter Credit Hours**

This course expands upon the topics covered in Cisco Routers I to enable the student to gain knowledge and experience with the design, installation, and configuration of networks in a business environment. Topics to be covered include Virtual LANs, WAN protocols, and managing a Cisco internetwork. Prerequisite: Cisco Router I. Lecture Hrs. 30 Lab Hrs. 20.

**CGS 2210 Windows 2000 Professional**

**4 Quarter Credit Hours**

This course covers the essential topics necessary to enable students to set up and support the Microsoft Windows 2000 Professional operating system. Students build real world support skills by working via lessons and hands-on labs to gain practical experience with installing, administering, and troubleshooting a Windows 2000 Professional desktop environment. Prerequisite: Computer Networking Fundamentals. Lecture Hrs. 30 Lab Hrs. 20.

**CEN 2306 Windows 2000 Server**

**4 Quarter Credit Hours**

This course covers the essential topics necessary to enable students to set up and support the Microsoft Windows 2000 Server network operating system. Students build real world support skills by working via lessons and hands-on labs to gain practical experience with installing, administering, and troubleshooting a Windows 2000 Server. Prerequisite: Computer Networking Fundamentals. Lecture Hrs. 30 Lab Hrs. 20.

**CEN 2320 Windows 2000 Network Infrastructure**

**4 Quarter Credit Hours**

This course covers the topics necessary for students to be able to deliver secure and reliable networking services to organizations utilizing Microsoft Windows 2000. Working via lessons and hands on labs, students learn how to install, manage, and troubleshoot the network protocols and services utilized in the Windows 2000 operating system. Prerequisite: Windows 2000 Professional and Windows 2000 Server. Lecture Hrs. 30 Lab Hrs. 020.

**CEN 2600 Windows 2000 Directory Services Infrastructure I**

**2 Quarter Credit Hours**

Microsoft's next-generation directory service—Active Directory, is introduced in this course. Students will gain a basic understanding of the steps necessary to plan, configure and administer an Active Directory infrastructure. Other topics to be discussed include configuring DNS, Group administration and User accounts. Prerequisite: Windows 2000 Network Infrastructure. Lecture Hrs.10 Lab Hrs. 20.

**CEN 2650 Windows 2000 Directory Services Infrastructure II**

**4 Quarter Credit Hours**

This second course in Microsoft Active Directory technology provides an in-depth look into methods to effectively manage a large-scale network directory. Topics in this course include implementing Group policy, Active Directory Replication and Database maintenance, and delegating administrative control. Prerequisite: Windows 2000 Directory Services Infrastructure I. Lecture Hrs. 30 Lab Hrs. 20.

**CEN 2700 Windows 2000 Directory Services Design**

**4 Quarter Credit Hours**

This course discusses the planning, issues, and options available to the network administrator who is designing a Windows 2000 Directory Services infrastructure. Key topics include the network's physical topology, security, administration, naming standards, and migration issues. Prerequisite: Windows 2000 Directory Services Infrastructure II. Lecture Hrs. 30 Lab Hrs. 20.

**CEN 2711 Implementing and Supporting Microsoft Proxy Server**

**4 Quarter Credit Hours**

This course provides students with an in-depth look at Microsoft Proxy Server 2.0. Working via lessons and hands on labs, students gain practical experience installing, administering, and troubleshooting Proxy server 2.0. Some of the topics discussed include configuring clients, planning security, RAS, and configuring Proxy for intranet access. Prerequisite: Windows 2000 Server & Windows 2000 Network Infrastructure. Lecture Hrs. 30 Lab Hrs. 20.

**CEN 2720 Implementing and Supporting Microsoft Exchange Server**

**4 Quarter Credit Hours**

This course provides students the ability to set up and support Microsoft Exchange Server 5.5. Working via lessons and hands-on labs, students gain practical experience installing, administering, and troubleshooting Exchange Server 5.5. Prerequisite: Windows 2000 Server and Windows 2000 Network Infrastructure. Lecture Hrs. 30 Lab Hrs. 20.



**SLS 1055 Professional Development****2 Quarter Credit Hours**

This course is designed to assist the student with personal and professional development for successful employment both in attaining and maintaining employment. Students will practice using written skills and developing a current resume. Course content helps students focus on developing a positive self-image, assessing strengths, learning job search techniques, and the building of appropriate interpersonal business relationships with co-workers, supervisors, and customers. Lecture Hrs. 10 Lab Hrs. 20.

◆ **Addendum #3 – Effective July 31, 2001**

*The following replaces the Tuition and Fees chart on page 34:*

Program	Program Length	Credit Units	Tuition
Electronics & Computer Technology	10 Modules	120	\$17,400
Medical Business & Clinical Specialist	12 Modules	65	\$9,450
Network Administration	4 Quarters	72	\$16,500

◆ **Addendum #4 – Effective July 20, 2001**

*The Phlebotomy Program described on page 11 has been eliminated.*

◆ **Addendum #5 – Effective July 20, 2001**

*The Veterans statements written on page 30 and page 37 have been eliminated.*

◆ **Addendum #6 – Effective July 26, 2001**

*The following dates are added to the calendar for Medical Business and Clinical Specialist on page 4:*

2001	
Start Dates	End Dates
Jul 30 Mon	Aug 23 Thu
Aug 28 Tue	Sep 25 Tue
Sep 27 Thu	Oct 23 Tue
Oct 30 Wed	Nov 27 Tue
Dec 3 Mon	Dec 31 Mon

◆ **Addendum #7 – Effective July 26, 2001**

*The following is added to the Student Holidays section on page 4:*

For Network Administration students, if a holiday occurs on a Monday through Thursday, the students must make up the class time on the Friday immediately following the holiday.

