

SCHOOL OF BUSINESS
Networking Specialist AAS Degree (NS13)
Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program 5 Terms
 Credit Hours Required for Graduation..... 66

Purpose: The Networking Specialist Associate of Applied Science degree program provides students with an understanding of the concepts, principles, and techniques required in computer information processing. Graduates are to be competent in the general areas of humanities or fine arts, social or behavioral sciences, and natural sciences or mathematics, as well as in the technical areas of computer terminology and concepts, program design and development, and computer networking.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Courses

	<u>Credits</u>
General Core Courses	Total 15 credit hours
Area I Language Arts/Communication	3
ENGL 1101 Composition and Rhetoric (required)	
Area II Social/Behavioral Sciences	3
Area III Natural Sciences/Mathematics	3
<i>(one of the following required)</i>	
MATH 1101 Mathematical Modeling	
MATH 1111 College Algebra	
MATH 1127 Introduction to Statistics	
Area IV Humanities/Fine Arts	3
General Education Elective from any area	3

Contact program advisor for program-specific courses and see General Education Requirements for Associate Degrees for course options.

Occupational Courses

	Total 35 credit hours
CIST 1001 Computer Concepts	4
CIST 1122 Hardware Installation and Maintenance	4
CIST 1130 Operating Systems Concepts	3
CIST 1401 Computer Networking Fundamentals	4
CIST 1601 Information Security Fundamentals	3
COLL 1010 College and Career Success Skills	3
Electives	14

Completion of the following specialization required:

Microsoft (8M13)

	Total 16 credit hours
CIST 2411 Microsoft Client	4
CIST 2412 Microsoft Server Directory Services	4
CIST 2413 Microsoft Server Infrastructure	4
CIST 2414 Microsoft Server Administrator	4

Estimated cost of books and supplies for full program is approximately \$1,000.

SCHOOL OF BUSINESS
Networking Specialist Diploma (NS14)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program 4 Terms
 Credit Hours Required for Graduation..... 52

Purpose: The Networking Specialist diploma program provides students with an understanding of the concepts, principles, and techniques required in computer information processing. Graduates are to be competent in the general areas of humanities or fine arts, social or behavioral sciences, and natural sciences or mathematics, as well as in the technical areas of computer terminology and concepts, program design and development, and computer networking.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Courses

Credits

Basic Skills Courses

Total 9 credit hours

COLL	1010	College and Career Success Skills	3
ENGL	1010	Fundamentals of English I	3
MATH	1012	Foundations of Mathematics	3

Occupational Courses

Total 27 credit hours

CIST	1001	Computer Concepts	4
CIST	1122	Hardware Installation and Maintenance	4
CIST	1130	Operating Systems Concepts	3
CIST	1401	Computer Networking Fundamentals	4
CIST	1601	Information Security Fundamentals	3
Electives			9

Completion of the following specialization required:

Microsoft Specialization (8M42)

Total 16 credit hours

CIST	2411	Microsoft Client	4
CIST	2412	Microsoft Server Directory Services	4
CIST	2413	Microsoft Server Infrastructure	4
CIST	2414	Microsoft Server Administrator	4

Estimated cost of books and supplies for full program is approximately \$900.

SCHOOL OF BUSINESS
Network Support Specialist Certificate (NS31)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program 1 Term
 Credit Hours Required for Graduation 10

Purpose: The Network Support Specialist certificate program provides basic training in networking support. Students are introduced to the basic networking support skills. Upon graduation, students will be able to maintain networks using Windows networking software.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Courses

Credits

COLL	1010	College and Career Success Skills	3
		CIS Operating Systems Elective	3

Select one of the following:

CIST	1401	Computer Networking Fundamentals	4
CIST	2412	MS Server Installation and Maintenance	(4)

Estimated cost of books and supplies for full program is approximately \$300.

CompTIA A+ Certified Preparation Certificate (CA61)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program 1 Term
 Credit Hours Required for Graduation 10

Purpose: The CompTIA A+ Certified Preparation certificate program provides computer users with the basic entry-level skills working toward CompTIA A+ certification.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Courses

Credits

COLL	1010	College and Career Success Skills	3
		CIST 1122 Hardware Installation and Maintenance	4
		CIST 1130 Operating Systems Concepts	3

Estimated cost of books and supplies for full program is approximately \$300.

SCHOOL OF BUSINESS

CompTIA A+ Certified Technician Preparation Certificate (CA71)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program 2 Terms
 Credit Hours Required for Graduation..... 18

Purpose: The CompTIA A+ Certified Technician Preparation certificate program is designed to provide computer users with the skills and knowledge necessary to take the CompTIA A+ certification exam. Earning CompTIA A+ certification shows that the individual possesses the knowledge, technical skills and customer relations skills essential for working as a successful entry-level computer service technician.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

<u>Program Courses</u>			<u>Credits</u>
CIST	1001	Computer Concepts	4
CIST	1122	Hardware Installation and Maintenance	4
COLL	1010	College and Career Success Skills	3
CIS		Operating Systems Elective	3
CIS		Elective	4

Estimated cost of books and supplies for full program is approximately \$600.

iOS App Development in Swift (IAD1)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program 3 Terms
 Credit Hours Required for Graduation..... 11

Purpose: The iOS App Development in Swift certificate prepares students for positions in app development for the Apple iPad, iPhone, and Apple Watch Series. The program emphasizes the knowledge and skills required to design, develop, test and document structured and object-oriented programs Swift and Xcode.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

<u>Program Courses</u>			<u>Credits</u>
CIST	1306	Programming Foundations - Swift	3
CIST	2301	Application Development in Swift I	4
CIST	2302	Application Development in Swift II	4

Estimated cost of books and supplies for full program is approximately \$300.

SCHOOL OF BUSINESS
Network Technician Certificate (NT21)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program 1 Term
 Credit Hours Required for Graduation..... 14

Purpose: The Network Technician certificate program provides basic training in computer information systems networking. Students are introduced to the basic concepts of network administration. Upon graduation, students will be able to install, configure, and maintain networks using Windows networking software.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

<u>Program Courses</u>	<u>Credits</u>
CIST 1001 Computer Concepts	4
CIST 1401 Computer Networking Fundamentals	4
COLL 1010 College and Career Success Skills	3
CIS Operating Systems Elective	3

Estimated cost of books and supplies for full program is approximately \$300.

PC Repair and Network Technician Certificate (PR21)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program 2 Terms
 Credit Hours Required for Graduation..... 18

Purpose: The PC Repair and Network Technician certificate program prepares students with the skills needed to perform personal computer troubleshooting and repair.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

<u>Program Courses</u>	<u>Credits</u>
CIST 1001 Computer Concepts	4
CIST 1122 Hardware Installation and Maintenance	4
CIST 1130 Operating Systems Concepts	3
CIST 1401 Computer Networking	4
COLL 1010 College and Career Success Skills	3

Estimated cost of books and supplies for full program is approximately \$600.

SCHOOL OF BUSINESS
Cybersecurity AAS Degree (CY13)

Offered at Clarkesville Campus

Entrance Date..... Fall, Spring, Summer
 Length of Program..... 5 Terms
 Credit Hours Required for Graduation..... 60

Purpose: The Cybersecurity degree program provides students with an understanding of the concepts, principles, and techniques required in computer information processing. Graduates are to be competent in the general areas of humanities or fine arts, social or behavioral sciences, and natural sciences or mathematics, as well as in the technical areas of computer terminology and concepts, program design and development, and computer networking. Program graduates are qualified for employment as Cybersecurity Specialist or Information Security Analysts.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Courses

Credits

General Core Courses

Total 15 credit hours

Area I Language Arts/Communication 3
 ENGL 1101 Composition and Rhetoric (required)

Area II Social/Behavioral Sciences 3

Area III Natural Sciences/Mathematics 3

(One of the following required)

 MATH 1101 Mathematical Modeling
 MATH 1103 Quantitative Skills & Reasoning 3
 MATH 1111 College Algebra

Area IV Humanities/Fine Arts 3

General Education Elective from any area 3

Contact program advisor for program-specific courses and see General Education Requirements for Associate Degrees for course options.

Occupational Courses

Total 41 credit hours

 COLL 1010 College and Career Success Skills 3
 CIST 1001 Computer Concepts 4
 CIST 1122 Hardware Installation & Maintenance 4
 CIST 1401 Computer Networking Fundamentals 4
 CIST 1601 Information Security Fundamentals 3
 CIST 1602 Security Policies & Procedures 3
 CIST 2601 Implementing Operating Systems Security 4
 CIST 2602 Network Security 4
 CIST 2611 Network Security 4
 CIST 2612 Computer Forensics 4
 CIST 2613 Ethical Hacking and Penetration Testing 4
 Elective 4

Estimated cost of books and supplies for full program is approximately \$1,000.

SCHOOL OF BUSINESS
Cybersecurity Diploma (CY12)
Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program 3 Terms
 Credit Hours Required for Graduation..... 44

Purpose: The Cybersecurity diploma program provides students with an understanding of the concepts, principles, and techniques required in computer information processing. Graduates are to be competent in the basic skills areas of English and mathematics, as well as in the technical areas of computer terminology and concepts, computer networking, and network security. Program graduates are qualified for employment as Computer Network Security Specialists or Information Security Analysts.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Courses

Credits

Basic Skills Courses

Total 9 credit hours

COLL	1010	College and Career Success Skills	3
ENGL	1010	Fundamentals of English I	3
MATH	1012	Foundations of Mathematics	3

Occupational Courses

Total 31 credit hours

CIST	1001	Computer Concepts	4
CIST	1122	Hardware Installation and Maintenance	4
CIST	1401	Computer Networking Fundamentals	4
CIST	1601	Information Security Fundamentals	3
CIST	2601	Implementing Operating Systems	4
CIST	2602	Computer Forensics	4
CIS		Networking Elective	8

SCHOOL OF BUSINESS
Cybersecurity Fundamentals Certificate (CW71)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program 2 Terms
 Credit Hours Required for Graduation..... 18

Purpose: The Cybersecurity Fundamentals certificate is a sequence of courses designed to provide students with an understanding of the fundamental concepts, principles and techniques required in computer information processing. Completion of the certificate will prepare students to either continue more advanced studies in cybersecurity leading toward a diploma or AAS degree or broaden their current computer information knowledge base.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Courses

Credits

CIST	1001	Computer Concepts	4
CIST	1122	Hardware Installation and Maintenance	4
CIST	1401	Computer Networking	4
CIST	1601	Computer Networking Fundamentals	3
CIST	1602	Information Security Fundamentals	3

Estimated cost of books and supplies for full program is approximately \$750.

SCHOOL OF BUSINESS
Web Application Development AAS Degree (IS43)

Offered at Clarkesville Campus

Entrance Date..... Fall, Spring, Summer
 Length of Program..... 5 Terms
 Credit Hours Required for Graduation..... 64

Purpose: The Web Application Development Associate of Applied Science degree program provides students with an understanding of the concepts, principles, and techniques required in computer information processing. Graduates are to be competent in the general areas of humanities or fine arts, social or behavioral sciences, and natural sciences or mathematics, as well as in the technical areas of computer terminology and concepts, program design and development, and computer networking.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Courses

Credits

General Core Courses **Total 15 credit hours**

Area I Language Arts/Communication	3
ENGL 1101 Composition and Rhetoric (required)	
Area II Social/Behavioral Sciences	3
Area III Natural Sciences/Mathematics	3
(One of the following required)	
MATH 1101 Mathematical Modeling	
MATH 1111 College Algebra	
MATH 1127 Introduction to Statistics	
Area IV Humanities/Fine Arts	3
General Education Elective from any area	3

Contact program advisor for program-specific courses and see General Education Requirements for Associate Degrees for course options.

Occupational Courses

Total 41 credit hours

COLL 1010 College and Career Success Skills	3
CIST 1001 Computer Concepts	4
CIST 1220 Structured Query Language (SQL)	4
CIST 1305 Program Design and Development	3
CIST 1510 Web Development I	3
CIST 1520 Scripting Technologies	3
CIST 1601 Information Security Fundamentals	3
CIST 2351 PHP Programming I	4
CIST 2352 PHP Programming II	4
CIST 2550 Web Development II	3
CIST 2921 IT Analysis, Design, and Project Management	4
CIST 2950 Web Systems Project OR	3
CIST 2991 CIST Internship I	(3)

SCHOOL OF BUSINESS

Select one of the following programs

CIST	2341	C# Programming I	4
CIST	2342	C# Programming II OR	4
CIST	2371	Java Programming I	(4)
CIST	2372	Java Programming II	(4)

Estimated cost of books and supplies for full program is approximately \$1,000.

SCHOOL OF BUSINESS
Web Application Development Diploma (IS42)

Offered at Clarkesville Campus

Entrance Dates Fall, Spring, Summer
 Length of Program 4 Terms
 Credit Hours Required for Graduation..... 52

Purpose: The Web Application Development diploma program provides students with an understanding of the concepts, principles, and techniques required in computer information processing. Graduates are to be competent in the general areas of humanities or fine arts, social or behavioral sciences, and natural sciences or mathematics, as well as in the technical areas of computer terminology and concepts, program design and development, and computer networking.

Admission Requirements:

- Age 16 or older or student with dual/joint enrollment in high school or GED® student seeking access to quality instruction at the postsecondary level
- High school diploma or GED®
- Completion of application process including placement test; or provide SAT or ACT scores

Program Courses

Credits

Basic Skills Courses

Total 9 credit hours

COLL	1010	College and Career Success Skills	3
ENGL	1010	Fundamentals of English I	3
MATH	1012	Foundations of Mathematics	3

Occupational Courses

Total 35 credit hours

CIST	1001	Computer Concepts	4
CIST	1220	Structured Query Language (SQL)	4
CIST	1305	Program Design and Development	3
CIST	1510	Web Development I	3
CIST	1520	Scripting Technologies	3
CIST	1601	Information Security Fundamentals	3
CIST	2351	PHP Programming I	4
CIST	2352	PHP Programming II	4
CIST	2550	Web Development II	3
CIST	2921	IT Analysis, Design, and Project Management	4

Select one of the following programs

CIST	2341	C# Programming I	4
CIST	2342	C# Programming II	4
OR			
CIST	2371	Java Programming I	(4)
CIST	2372	Java Programming II	(4)

Estimated cost of books and supplies for full program is approximately \$900.