

Computer Information Technology

Lincoln Campus (some courses online)

Associate of Applied Science Degree, Certificate

Types of jobs available:

- **Applications/Web programmer**
Graduates of this specialization may work as applications developers using programming languages such as Java, C#, Visual Basic.NET, and C++. They may also work programming behind the scenes of a Website with PHP, JavaScript, and SQL.
- **Computer support specialist**
Graduates of this specialization may work as the main computer resource technician in a company or may work as a member of a team providing help desk support.
- **Network manager**
Graduates of this specialization set up, maintain and manage computer networks.

Program overview

Classes are offered both day and evening on the Lincoln Campus. Some program courses are available online. Students in the program can complete an Associate of Applied Science degree in any of three career focus areas: Applications/Web Programmer, Computer Support Specialist or Network Manager. A Certificate also is available for anyone wishing to add basic computer training to already existing skills.

For more information contact:

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or the College Admissions Office
Lincoln 402-437-2600, 800-642-4075 ext. 2600

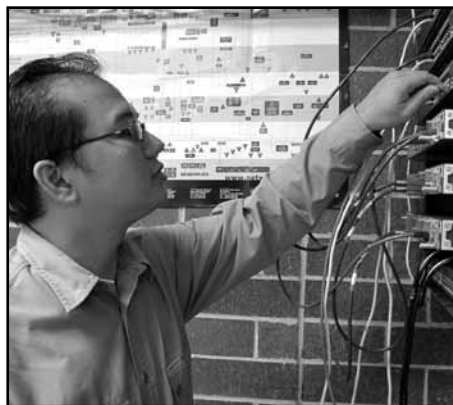
Credit Hours Required for Graduation

Associate of Applied Science Degree: **120.0**

- Applications/Web Programmer focus
- Computer Support Specialist focus
- Network Manager focus

C.I.T. Certificate: **37.5**

Graphic Communication Certificate **29.5**



A.A.S. Degree Core Courses:

The following core courses must be completed to meet the requirements in the Computer Information Technology A.A.S. degree.

COURSE #	COURSE TITLE	CREDIT HRS
INFO1121	Microsoft Word & PowerPoint	1.5
INFO1131	Microsoft Excel	1.5
INFO1151	Computer Fundamentals	4.5
INFO1161	Windows Operating Systems	4.5
INFO1211	Microsoft Access	3.0
INFO1214	Program Design & Problem Solving	4.5
INFO1311	Database Concepts	3.0
INFO1381	Data Communications & Networking	4.5
INFO1431	Web Page Fundamentals	3.0
INFO1441	Advanced Windows Operating System	3.0
INFO2531	Linux Operating System	2.0
INFO2543	Workplace Communication Skills	2.0
ENGL2560	Technical Writing or	
OFFT1110	Business Communications	4.5
OFFT2000	Employment Techniques (4.5) or	
INFO2611	CIT Practicum	3.0

44.5 hours

Applications/Web Programmer Focus:

COURSE #	COURSE TITLE	CREDIT HRS
INFO1314	Java	4.5
INFO1325	Internet Scripting	3.0
INFO1334	C#.NET	4.5
INFO1414	Advanced Java	4.5
INFO1434	Advanced C#.NET	4.5
INFO1511	Advanced Database Concepts	3.0
INFO1522	Web Layout	2.0
INFO1525	Web Server Scripting	4.5

Advanced programming requirements choose TWO from: 9.0

INFO2514	Java Server Programming	4.5
INFO2534	ASP.NET Using C#	4.5
INFO2554	C++	4.5
INFO2574	Advanced Programming Using VB	4.5
INFO2594	Team Program Design	1.5
INFO2694	Team Program Implementation	3.0
INFO2698	Programmer Portfolio Development	1.0

45.0 hours

Technical electives choose any not used as a requirement 8.0 hours

INFO1514	Mobile Device Programming (4.5)
INFO1515	Database Administration (3.0)
INFO1521	Web Graphics (2.0)
INFO1541	Social & Ethical Issues in Information Technology (2.0)
INFO2514	Java Server Programming (4.5)
INFO2533	Microsoft SharePoint for End Users (2.0)
INFO2534	ASP.NET Using C# (4.5)
INFO2554	C++ (4.5)
INFO2574	Advanced Programming Using VB (4.5)
INFO2800	Advanced Technologies (2.0)

Computer Support Specialist Focus:

COURSE #	COURSE TITLE	CREDIT HRS
INFO1391	TCP/IP	3.0
INFO1443	Help Desk Concepts	2.0
INFO1456	Hardware Installation & Troubleshooting	4.5
INFO1491	Network Security Fundamentals	3.0
INFO1493	Advanced Microsoft Access	3.0
INFO1501	Integrated Applications	3.0
INFO1511	Advanced Database Concepts	3.0
INFO2513	Troubleshooting Techniques	3.0
INFO2533	Microsoft SharePoint for End Users	2.0
INFO2585	Windows Server Administration	4.5
INFO2670	Desktop Support	4.5

35.5 hours

Technical electives choose from: 17.5 hours

INFO1325	Internet Scripting (3.0)
INFO1515	Database Administration (3.0)
INFO1521	Web Graphics (2.0)
INFO1522	Web Layout (2.0)
INFO1541	Social & Ethical Issues in Information Technology (2.0)
INFO1575	Windows PowerShell Fundamentals (2.0)
INFO1585	Virtualization Management (2.0)
INFO2591	Advanced Network Security (4.5)
INFO2631	Linux Network Administration (4.5)
INFO2695	Advanced Windows Server (3.0)
INFO2800	Advanced Technologies (2.0)
ELEC2760	Networking Infrastructure (4.5)
ELEC2761	Router Implementation (4.0)
ELEC2860	LAN Switching and Wireless (4.0)
ELEC2861	Wide Area Networking (4.0)

Business support elective choose from: 4.5

BSAD1050	Introduction to Business
BSAD2520	Principles of Marketing
BSAD2540	Principles of Management
ENTR1050	Introduction to Entrepreneurship
OFFT1310	Office Accounting



Network Manager Focus:

COURSE #	COURSE TITLE	CREDIT HRS
INFO1391	TCP/IP	3.0
INFO1456	Hardware Installation & Troubleshooting	4.5
INFO1491	Network Security Fundamentals	3.0
INFO1585	Virtualization Management	2.0
INFO2585	Windows Server Administration	4.5
INFO2631	Linux Network Administration	4.5
INFO2695	Advanced Windows Server	3.0
INFO2697	Networking Capstone	3.0
ELEC2760	Networking Infrastructure	4.5
ELEC2761	Router Implementation	4.0
ELEC2860	LAN Switching and Wireless	4.0
ELEC2861	Wide Area Networking	4.0

44.0 hours

Technical electives choose from: 9.0 hours

INFO1511	Advanced Database Concepts OR
INFO1515	Database Administration (3.0)
INFO1541	Social & Ethical Issues in Information Technology (2.0)
INFO1575	Windows PowerShell Fundamentals (2.0)
INFO2513	Troubleshooting Techniques (3.0)
INFO2533	Microsoft SharePoint for End Users (2.0)
INFO2591	Advanced Network Security (4.5)
INFO2670	Desktop Support (4.5)
INFO2800	Advanced Technologies (2.0)



General Education Requirements:

Contact your program advisor to select general education course/s from each category which will meet your program's graduation requirements. See page 16 for complete list.

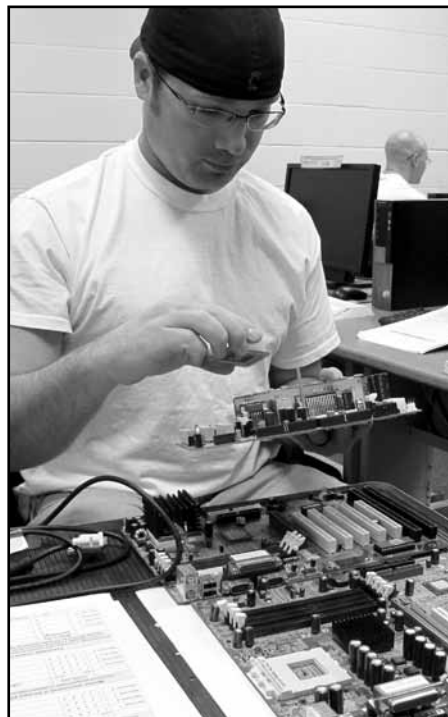
Oral Communications	4.5
(Choose ONE):	
SPCH1090	Fundamentals of Human Communication
SPCH1110	Public Speaking
SPCH2810	Business & Professional Communication
Written Communications	4.5
(Choose ONE):	
ENGL1010	Composition I
ENGL1015	Composition & Literature

Mathematics	4.5
MATH1040	Business Math (or higher level MATH class)

Social Science	4.5
(Choose ONE):	
PSYC1250	Interpersonal Relations
PSYC1810	Introduction to Psychology
SOC11010	Introduction to Sociology
SOCI1020	Diversity in Society
SOCI2150	Issues in Unity and Diversity

Humanities	4.5
(Choose ONE from the Humanities list of General Education Requirements in the College Catalog)	

22.5 hours



CIT Certificate Requirements:

COURSE #	COURSE TITLE	CREDIT HRS
INFO1121	Microsoft Word & PowerPoint	1.5
INFO1131	Microsoft Excel	1.5
INFO1151	Computer Fundamentals	4.5
INFO1161	Windows Operating Systems	4.5
INFO1211	Microsoft Access	3.0
INFO1214	Program Design & Problem Solving	4.5
INFO1311	Database Concepts	3.0
INFO1381	Data Communications & Networking	4.5
INFO1431	Web Page Fundamentals	3.0
INFO1441	Advanced Windows Operating System	3.0
MATH1040	Business Math (or higher level MATH class)	4.5

37.5 hours

Graphic Communication Certificate

This certificate will equip students with an in-depth knowledge of graphic communications with an emphasis in design theory, image preparation, print layout, and web design. It relates to programs in Graphic Design|Media Arts, Computer Information Technology, Office Professional and Journalism.

This certificate will be available starting January 2013.

Core Courses:

GDMA1118	Introduction to Graphic Communication	3.0
GDMA1119	The Structure of Graphic Communication	6.0
GDMA1124	Introduction to Typography	4.5

Additional Courses:

INFO1521	Web Graphics	2.0
GDMA1123	Page Layout	4.5
INFO1431	Web Page Fundamentals	3.0
INFO1522	Web Layout	2.0

General Education Course	4.5
Total Certificate Hours	29.5 hours

