

Information Technology: Information Systems

A25590A (Associate Degree) C25590A (Certificate)
C25590B (Certificate)

Information Systems is a curriculum within the Information Technology Pathway:

The Information Technology (IT) curriculum prepares graduates for employment in the technology sector as designers, testers, support technicians, system administrators, developers, or programmers who use computer software and/or hardware to design, process, implement and manage information systems in specialties such as database services, security, business intelligence, healthcare informatics and others depending on the technical path selected within this curriculum.

Course work includes development of a student's ability to create, store, communicate, exchange and use information to solve technical issues related to information support and services, interactive media, network systems, programming and software development, information security and other emerging technologies based on the selected area of study.

Graduates should qualify for employment in entry-level positions with businesses, educational systems, and governmental agencies which rely on computer systems to design and manage information. The program will incorporate the competencies of industry-recognized certification exams.

In addition to the courses listed below, students may be required to take transition/co-requisite classes based on RISE criteria. These classes do not count toward hours required for graduation.

Information Systems Associate Degree Program (A25590A)

<u>Title</u>	<u>Class/Lab/Credit</u>
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I. General Education Courses

COM	120	Interpersonal Communication	3	0	3
or					
ENG	111	Writing and Inquiry	3	0	3
COM	231	Public Speaking	3	0	3
MAT	143	Quantitative Literacy	2	2	3

Select one course each from Humanities/Fine Arts and Social/Behavioral Sciences on page 79.

II. Major Courses

CIS 110	Introduction to Computers	2	2	3
CTI 110	Web, Pgm, and Db Foundation	2	2	3
CTI 120	Network & Sec Foundation	2	2	3
CTS 115	Info Sys Business Concepts	3	0	3

III. Concentration

CTS 120	Hardware/Software Support	2	3	3
NOS 120	Linux/Unix Single User	2	2	3
NOS 130	Windows Single User	2	2	3
NOS 230	Windows Admin I	2	2	3

IV. Other Major Courses

Take 25 Credits

ACC	120	Principles of Financial Accounting	3	2	4
BUS 110		Introduction to Business	3	0	3
CSC 134		C++ Programming	2	3	3
CSC 151		Java Programming	2	3	3
DBA	110	Database Concepts	2	3	3
NET	125	Introduction to Networks	1	4	3
WEB	115	Web Markup and Scripting	2	3	3
WEB	214	Social Media	2	3	3

Take 3 credits from:

CTS	130	Spreadsheet	2	2	3
ELN 233		Microprocessor Systems	3	3	4
NOS	110	Operating Systems Concepts	2	3	3
OST	136	Word Processing	2	2	3
WEB	120	Introduction to Internet Multimedia	2	2	3
WEB	225	Content Management Systems	2	2	3

Take 3 credits from:

WEB	111	Intro to Web Graphics	2	2	3
WEB	140	Web Development Tools	2	3	3
WEB	210	Web Design	2	2	3
WEB	285	Emerging Web Technologies	2	2	3

Take 2 credits from:

OST	286	Professional Development	3	0	3
WEB	287	Web E-Portfolio	1	3	2

V. Other Required Courses

ACA	115	Success and Study Skills	0	2	1
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Total Credits: 73

Recommended Semester Schedule

First Year-Fall

ACA	115	Success and Study Skills	0	2	1
CIS	110	Intro to Computers	2	2	3
CTI	110	Web, Pgm, & Db Foundation	2	2	3
CTS	115	Info Sys Business Concepts	3	0	3
NET	125	Introduction to Networks	1	4	3
WEB	115	Web Markup and Scripting	2	3	3

First Year-Spring

COM	120	Interpersonal Communication	3	0	3
		or			
COM	231	Public Speaking	3	0	3
CTS	120	Hardware/Software Support	2	3	3
DBA	110	Database Concepts	2	3	3

NOS	130	Windows Single User	2	2	3
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Pick List 1(Select one)

CTS	130	Spreadsheet	2	2	3
NOS	110	Operating Systems Concepts	2	3	3
ELN	233	Fundamentals of Microprocessors	3	3	4
OST	136	Word Processing	2	2	3
WEB	120	Intro Internet Multimedia	2	2	3
WEB	225	Content Management System	2	2	3

First Year-Summer

CSC	151	Java Programming	2	3	3
		Humanities Elective	3	0	3
		Social Science Elective	3	0	3

Second Year-Fall

ACC	120	Prin Fin Accounting	3	2	4
NOS	120	Linux/Unix Single User	2	2	3
NOS	230	Windows Admin I	2	2	3

Pick List 2(Select one)

WEB	111	Web Graphics	2	2	3
WEB	140	Web Development Tools	2	3	3
WEB	210	Web Design	2	2	3
WEB	285	Emerging Web Technologies	2	2	3

Second Year-Spring

BUS	110	Intro to Business	3	0	3
CSC	134	C++ Programming	2	3	3
CTI	120	Network & Security Foundation	2	2	3
WEB	214	Social Media	2	3	3

Pick List 3(Select one)

WEB	287	Web E-Portfolio	1	3	2
OST	286	Professional Development	3	0	3

Second Year-Summer

ENG	111	Expository Writing	3	0	3
MAT	143	Quantitative Literacy	2	2	3

Information Systems Certificate (C25590A)

<u>Title</u>	<u>Class/Lab/Credit</u>				
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I. Major Courses

CIS 110	Introduction to Computers	2	2	3	
CTS	120	Hardware/Software Support	2	3	3

NOS	130	Windows Single User	2	2	3
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III. Other Major Courses

WEB	115	Web Markup and Scripting	2	3	3
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Total Credits: 12

Recommended Semester Schedule

First Year-Fall

CIS	110	Intro to Computers	2	2	3
WEB	115	Web Markup and Scripting	2	3	3

First Year-Spring

NOS	130	Windows Single User	2	2	3
CTS	120	Hardware/Software Support	2	3	3

Information Systems Advanced Certificate (C25590B)

<u>Title</u>	<u>Class/Lab/Credit</u>				
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I. Major Courses

CTI120		Network & Sec Foundation	2	2	3
NOS	120	Linux/Unix Single User	2	2	3
NOS	230	Windows Admin I	2	2	3

III. Other Major Courses

CSC	151	JAVA Programming	2	3	3
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Total Credits: 12

Recommended Semester Schedule

First Year-Fall

NOS	230	Windows Admin I	2	2	3
NOS	120	Linux/Unix Single User	2	2	3

First Year-Spring

CSC	151	Java Programming	2	3	3
CTI	120	Network & Sec Foundation	2	2	3