Information Technology – Computer Programming & Development (A25590E)

Degree Type
Associate in Applied Science
Credential Number
A25590E

General Education Requirements

Communication

Take 2 Groups

Group 1 - Take 3 credits from

Item #	Title	Credits
ENG 111	Writing and Inquiry	3

Group 2 - Take 3 credits from

Item #	Title	Credits
COM 120	Intro Interpersonal Com	3
COM 231	Public Speaking	3
ENG 112	Writing/Research in the Disc	3

Humanities/Fine Arts

Take 3 credits from

Item #	Title	Credits
ART 111	Art Appreciation	3
HUM 115	Critical Thinking	3
HUM 230	Leadership Development	3
MUS 110	Music Appreciation	3
MUS 112	Introduction to Jazz	3
PHI 240	Introduction to Ethics	3

Social/Behavioral Sciences

Take 3 credits from

Item #	Title	Credits
ECO 251	Prin of Microeconomics	3
ECO 252	Prin of Macroeconomics	3
HIS 131	American History I	3
HIS 132	American History II	3
POL 120	American Government	3
PSY 118	Interpersonal Psychology	3
PSY 150	General Psychology	3
SOC 210	Introduction to Sociology	3

Natural Science/Math

Take 3 credits from

Item #	Title	Credits
MAT 110	Math Measurement & Literacy	3
MAT 121	Algebra/Trigonometry I	3
MAT 143	Quantitative Literacy^n	3
MAT 152	Statistical Methods I	4
MAT 171	Precalculus Algebra	4

Major Requirements

Technical Core

Take 12 credits from

Item #	Title	Credits
CIS 115	Intro to Prog & Logic	3
CTI 110	Web, Pgm, & Db Foundation	3
CTI 120	Network & Sec Foundation	3
CTS 115	Info Sys Business Concepts	3

Concentration Requirements

Take 6 credits from

Item #	Title	Credits
CSC 134	C++ Programming	3
CSC 234	Advanced C++ Programming	3

Other Major Requirements

Computer Programming & Development

Take 3 Groups

Take 28 credits from

Item #	Title	Credits
ACA 115	Success & Study Skills	1
ACA 122	College Transfer Success	1
CTS 120	Hardware/Software Support	3
CTS 220	Adv Hard/Software Support	3
CTS 240	Project Management	3
NET 125	Introduction to Networks	3
NOS 120	Linux/UNIX Single User	3
NOS 230	Windows Administration I	3
SEC 180	Info Assurance Principles	3
WEB 115	Web Markup and Scripting	3
WEB 250	Database Driven Websites	3

Group 2 - Take 3 credits from

Item #	Title	Credits
DBA 110	Database Concepts	3
DBA 120	Database Programming I	3

Group 3 - Take at least 2 credits from

Item #	Title	Credits
OST 286	Professional Development	3
PTE 120	Pathway to Employ-Info Tech	3
WBL 110	World of Work	1
WBL 111I	Work-Based Learning I - Information Technology	1

Course Sequencing

1st Semester (Fall)

Item #	Title	Credits
ACA 122	College Transfer Success	1
CIS 115	Intro to Prog & Logic	3
CTI 110	Web, Pgm, & Db Foundation	3
CTI 120	Network & Sec Foundation	3
CTS 120	Hardware/Software Support	3
	Other Major Requirements 1st Choice (A25590E)	3

2nd Semester (Spring)

Item #	Title	Credits
CSC 134	C++ Programming	3
CTS 220	Adv Hard/Software Support	3
ENG 111	Writing and Inquiry	3
NOS 120	Linux/UNIX Single User	3
WEB 115	Web Markup and Scripting	3

3rd Semester (Summer)

Item #	Title	Credits
CTS 115	Info Sys Business Concepts	3
HUM 115	Critical Thinking	3

4th Semester (Fall)

Item #	Title	Credits
CTS 240	Project Management	3
NET 125	Introduction to Networks	3
NOS 230	Windows Administration I	3
WEB 250	Database Driven Websites	3
	Social/Behavioral Sciences Choice (A25590E)	3

5th Semester (Spring)

Item #	Title	Credits
CSC 234	Advanced C++ Programming	3
SEC 180	Info Assurance Principles	3
	Communication Choice (A25590E)	3
	Natural Science/Math Choice (A25590E)	3
	Other Major Requirements 2nd Choice (A25590E)	2
	Total Credits	**66**