

**INFORMATION SYSTEMS SECURITY (A25270)**  
**A.A.S. DEGREE (Day)**  
**Program Planning Guide**

Date Revised: March 2008

Replaces curriculum schedule with revision date: July 2007

<b>Curriculum By Semester</b>
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<u>Course No.</u>		<u>Course Title</u>	<u>Hours Per Week</u>		<u>Credits</u>
			<u>Class</u>	<u>Lab</u>	
<b>FIRST SEMESTER</b>					
CIS	110	Introduction to Computers	2	2	3
DBA	110	Database Concepts	2	3	3
NOS	110	Operating Systems Concepts	2	3	3
NET	125	Networking Basics	1	4	3
NET	126	Routing Basics	1	4	3
—	—	Math Elective	3	0	3
<b>SECOND SEMESTER</b>					
NOS	120	Linux/UNIX Single User	2	2	3
NOS	130	Windows Single User	2	2	3
SEC	110	Security Concepts	3	0	3
CTS	115	Info Sys Business Concept	3	0	3
ENG	111	Expository Writing	3	0	3
<b>SUMMER SEMESTER I</b>					
NOS	230	Windows Admin I	2	2	3
SEC	160	Secure Admin I	2	2	3
<b>THIRD SEMESTER</b>					
—	—	Social/Behavioral Science Elective	3	0	3
NOS	220	Linux/UNIX Admin I	2	2	3
SEC	150	Secure Communications	2	2	3
SEC	210	Intrusion Detection	2	2	3
SEC	220	Defense-in-Depth	2	2	3
—	—	Major Elective I	-	-	3
<b>FOURTH SEMESTER</b>					
CIS	115	Intro to Prog and Logic	2	3	3
SEC	289	Security Capstone Project	1	4	3
—	—	Communication Elective	3	0	3
—	—	Humanities/Fine Arts Elective	3	0	3
—	—	Major Elective II	-	-	3
<b>GRADUATION REQUIREMENT</b>			<b>72</b>	<b>Credit Hours</b>	

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Three Prior Revisions: July 2007

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		<u>Class</u>	<u>Lab</u>	<u>Credits</u>
<b><u>Math Elective</u></b>				
MAT 145	Analytical Math	3	0	3
MAT 145A	Analytical Math Lab	0	2	1
MAT 121	Algebra/Trigonometry I	2	2	3
MAT 161	College Algebra	3	0	3
MAT 161A	College Algebra Lab	0	2	1
MAT 171	Precalculus Algebra	3	0	3
MAT 171A	Precalculus Algebra Lab	0	2	1
<b><u>Communication Elective</u></b>				
ENG 112	Argument - Based Research	3	0	3
ENG 113	Literature - Based Research	3	0	3
ENG 114	Prof Research & Reporting	3	0	3
COM 120	Intro Interpersonal Com	3	0	3
COM 231	Public Speaking	3	0	3
<b><u>Humanities/Fine Arts Elective</u></b>				
HUM 110	Technology and Society	3	0	3
HUM 115	Critical Thinking	3	0	3
HUM 160	Introduction to Film	2	2	3
HUM 230	Leadership Development	3	0	3
<b><u>Social/Behavioral Science Elective</u></b>				
PSY 118	Interpersonal Psychology	3	0	3
PSY 150	General Psychology	3	0	3
SOC 210	Introduction of Sociology	3	0	3
SOC 213	Sociology of the Family	3	0	3
SOC 220	Social Problems	3	0	3
ECO 151	Survey of Economics	3	0	3
ECO 251	Prin of Microeconomics	3	0	3
<b><u>Major Elective I</u></b>				
SEC 193	Selected Topics in Information Systems Security	0	0	3
SEC 198	Seminar in Information Systems Security	1	4	3
NET 175	Wireless Technology	2	2	3
NET 225	Routing and Switching I	1	4	3
NOS 220	Linux/UNIX Admin I	2	2	3
NOS 231	Windows Admin II	2	2	3
COE 113	Co-op Work Experience I	0	30	3
<b><u>Major Elective II</u></b>				
SEC 240	Wireless Security	2	2	3
SEC 293	Selected Topics in Information Systems Security	0	0	3
SEC 298	Seminar in Information Systems Security	1	4	3
NET 226	Routing and Switching II	1	4	3
NOS 221	Linux/UNIX Admin II	2	2	3
NOS 232	Windows Admin III	2	2	3
COE 123	Co-op Work Experience II	0	30	3

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