

## B.S. Cybersecurity Degree — System and Network Security Concentration (CCY2)

*This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.*

### First Year

Fall

Course	Prerequisite	Credit
SAT 1000 Intro to Applied Computing		1
SAT 1700 Cyber Ethics		3
CS 1121 Intro to Programming I	≥MA1031(c)	3
MA 1161 Calculus Plus w/Technology I	placement	5
UN 1015 Composition		3
<b>Total</b>		<b>15</b>

Spring

Course	Prerequisite	Credit
CS 1122 Intro to Programming II	CS1121	3
CS 2311 Discrete Structures	≥MA1160	3
MA 2720 Statistical Methods	≥MA1031(c)	4
MA 2320 Elementary Linear Algebra	≥MA1160(c)	2
EssEd: Natural and Physical Science		3
<b>Total</b>		<b>15</b>

### Second Year

Fall

Course	Prerequisite	Credit
SAT 2711 Linux Fundamentals	CS1121	3
SAT 2343 Network Administration I	none	3
SAT 3611 Infrastructure Service Admin	SAT2711(c)	3
EssEd: Intercultural Competency		3
Essential Education: SHAPE		3
EssEd: Activities for Wellbeing&Success		1
<b>Total</b>		<b>16</b>

Spring

Course	Prerequisite	Credit
SAT 3812 Cyber Security I	SAT2711	3
SAT 3343 Network Administration II	SAT2343	3
SAT 3210 Database Management	CS1121	3
SAT 3310 Scripting Admin & Automation	CS1121	3
EssEd: Arts & Culture		3
<b>Total</b>		<b>15</b>

### Third Year

Fall

Course	Prerequisite	Credit
SAT 4283 Info. Gov. & Risk Managem't	none	3
SAT 3820 Wireless System Admin.	SAT2343	3
Technical Elective	varies	3
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EssEd: Communication Intensive		3
EssEd: Activities for Wellbeing&Success		1
<b>Total</b>		<b>16</b>

Spring

Course	Prerequisite	Credit
SAT 4411 Data Center Operations	SAT3611	3
SAT 4812 Cyber Security II	SAT3812	3
MIS 3200 System Analysis and Design	CS1122	3
Technical Elective	varies	3
Essential Education: Experience		3
<b>Total</b>		<b>15</b>

### Fourth Year

Fall

Course	Prerequisite	Credit
SAT 4480 Senior Project I	SAT3812(c)	3
SAT 4816 Digital Forensics	SAT3812	3
CS 4001 Cybersecurity Policy and Law	none	3
EET 4501 Applied Machine Learning	SAT3310	3
Free Elective		3
EssEd: Activities for Wellbeing&Success		1
<b>Total</b>		<b>16</b>

Spring

Course	Prerequisite	Credit
SAT 4480 Senior Project II	SAT4480	3
CS 4723 Network Security	SAT3812	3
SAT 4520 Machine Learning in Security	EET4501	3
SAT 4817 Security Penetration Testing and Audit	SAT3812	3
Free Elective		3
<b>Total</b>		<b>15</b>

**Grand Total = 120 + 3 Credits**