

## B.S. Cybersecurity Degree — Software Security Concentration (CCY1)

*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
CS 1142 Programming at the HW/SW Interface	CS1122	3
CS 2321 Data Structures	CS1122	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
CS 3141 Team Software Project	CS2321	3
CS 3421 Computer Organization	CS1142	3
CS 3425 Intro to Database Systems	CS2321	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
CS 3411 Systems Programming	CS3421	3
CS 4321 Intro to Algorithms	CS2321	3
Technical Elective	varies	3
EssEd: Communication Intensive		3
EssEd: Activities for Wellbeing&Success		1
<b>Total</b>		<b>16</b>

Spring

Course	Prerequisite	Credit
CS 3331 Concurrent Computing	CS3411	3
CS 3712 Software Quality Assurance	SAT3812	3
Technical Elective	varies	3
Free Elective		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
CS 4471 Computer Security	CS3411	3
Free Elective		3
EssEd: Activities for Wellbeing&Success		1
<b>Total</b>		<b>16</b>

Spring

Course	Prerequisite	Credit
SAT 4880 Senior Project II	SAT4480	3
CS 4723 Network Security	SAT3812	3
CS 4740 Development of Trusted SW	CS4471	3
CS 4461 Computer Networks	CS3411	3
Free Elective		3
<b>Total</b>		<b>15</b>

**Grand Total = 120 + 3 Credits**