

## B.S. Information Technology Degree

*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*<br>or CS 1000 Explorations in Computing*   | —            | 1            |
| SAT 1700 Cyber Ethics*                                                          | —            | 3            |
| MA 1160 or MA 1161 Calculus I*                                                  | placement    | 4 or 5       |
| CS 1111 Intro to Programming in C/C++<br>CS 1121 Introduction to Programming I* | placement    | 3            |
| UN 1015 Composition                                                             | —            | 3            |
| <b>Total</b>                                                                    |              | <b>14-17</b> |

#### Spring

| Course                                            | Prerequisite    | Credit       |
|---------------------------------------------------|-----------------|--------------|
| SAT 1610 Computer and OS Architecture             | CS 1121         | 3            |
| EET 1411 Basic Electronics                        | —               | 3            |
| MA 2320 Elementary Linear Algebra                 | MA 1160 or 1161 | 2            |
| Essential Education: Arts & Culture               | varies          | 3            |
| Essential Education: Natural and Physical Science | varies          | 3 or 4       |
| <b>Total</b>                                      |                 | <b>14-15</b> |

### Second Year

#### Fall

| Course                                                     | Prerequisite | Credit    |
|------------------------------------------------------------|--------------|-----------|
| SAT 2711 Linux Fundamentals                                | CS 1121      | 3         |
| SAT 2343 Network Administration I                          | CS 1121      | 3         |
| EET 2411 Digital Electronics                               | EET 1411     | 3         |
| Free elective                                              | varies       | 3         |
| Essential Education: Intercultural Competency              | varies       | 3         |
| Essential Education: Activities for Well-being and Success | —            | 1         |
| <b>Total</b>                                               |              | <b>16</b> |

#### Spring

| Course                             | Prerequisite    | Credit    |
|------------------------------------|-----------------|-----------|
| SAT 2511 MS System Administration  | CS 1121         | 3         |
| SAT 3343 Network Administration II | SAT 2343        | 3         |
| MA 2720 Statistical Methods        | MA 1160 or 1161 | 4         |
| Technical elective                 | varies          | 3         |
| Essential Education: SHAPE         | varies          | 3         |
| <b>Total</b>                       |                 | <b>16</b> |

### Third Year

#### Fall

| Course                                             | Prerequisite | Credit       |
|----------------------------------------------------|--------------|--------------|
| SAT 3812 Cybersecurity I                           | SAT 2711     | 3            |
| SAT 3210 Database Management                       | SAT 2711     | 3            |
| SAT 3611 Infrastructure Service Admin and Security | SAT 2711     | 3            |
| SAT 4343 Network Administration III                | SAT 3343     | 3            |
| ENT 3950 Enterprise work**                         | —            | 1            |
| Essential Education: Experience                    | varies       | 3            |
| <b>Total</b>                                       |              | <b>15-16</b> |

#### Spring

| Course                                                          | Prerequisite | Credit       |
|-----------------------------------------------------------------|--------------|--------------|
| SAT 3820 Wireless System Admin.                                 | SAT 2343     | 3            |
| SAT 3310 Scripting for Administration, Automation, and Security | CS 1121      | 3            |
| OSM 4300 Project Management (professional development elective) | —            | <b>3</b>     |
| Technical elective                                              | varies       | 3            |
| Free elective                                                   | varies       | 3            |
| ENT 3960 Enterprise work**                                      | —            | 1            |
| Essential Education: Activities for Well-being and Success      | —            | 1            |
| <b>Total</b>                                                    |              | <b>16-17</b> |

### Fourth Year

#### Fall

| Course                                                      | Prerequisite | Credit    |
|-------------------------------------------------------------|--------------|-----------|
| SAT 4310 Advanced Scripting Programming                     | CS 1121      | 3         |
| SAT 4816 Digital Forensics                                  | SAT 3812     | 3         |
| Professional communication elective*                        | varies       | 3         |
| Technical elective                                          | varies       | 3         |
| ENT 4950 Enterprise Capstone or SAT 4480 Senior Project I** | permission   | 2         |
| Essential Education: Activities for Well-being and Success  | —            | 1         |
| <b>Total</b>                                                |              | <b>15</b> |

#### Spring

| Course                                     | Prerequisite     | Credit       |
|--------------------------------------------|------------------|--------------|
| SAT 4411 Data Center Engineering           | SAT 3210 or 3611 | 3            |
| SAT 3830 Discrete Structures for Computing | SAT 3310         | 1            |
| SAT 4880 Senior Project II**               | SAT 4480         | 2            |
| Technical elective                         | varies           | 3            |
| Free elective                              | varies           | 3            |
| Free elective                              | varies           | 3            |
| <b>Total</b>                               |                  | <b>15-17</b> |

**Grand Total = 120 Credits**

\* Satisfies a major requirement and an Essential Education requirement.

\*\* Culminating experience consists of 4 credits of: {ENT 3950 (1), 3960 (1), 4950 (2)} or {SAT 4480 (2), 4880 (2)} or {UN 3002 (2), 3003 (2)}