

**GREENVILLE TECHNICAL COLLEGE**  
**Computer Technology Department**  
**Associate of Applied Science Degree in Computer Technology - Systems Administration Concentration (AAS.CPT.SYS)**  
**2020-2021 Catalog**

Student's Name:

Student ID:

Advisor:

Department Head Approval:

| Course #                                                               | Name of Course                                                                                                                    | Prerequisites                                                                                                                                                                       | Term | Grade | Credit |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|--------|
| <b>First Term</b>                                                      |                                                                                                                                   |                                                                                                                                                                                     |      |       |        |
| COL 105                                                                | Freshman Seminar                                                                                                                  | Placement into RDG 032 or higher                                                                                                                                                    |      |       | 3      |
| CPT 113                                                                | Information Systems                                                                                                               | Placement into MAT 100 and placement into RDG 100                                                                                                                                   |      |       | 3      |
| CPT 257                                                                | Operating Systems                                                                                                                 | Placement into ENG 101 and placement into MAT 105 or higher                                                                                                                         |      |       | 3      |
| ENG 101                                                                | English Composition I                                                                                                             | Satisfactory placement in writing or completion of ENG 100 and satisfactory placement in reading or completion of RDG 100, or completion of RWR 100                                 |      |       | 3      |
| MAT 103 or<br>MAT 109 or<br>MAT 120 or<br>higher college transfer math | Quantitative Reasoning, or<br>College Algebra with Modeling, or<br>Probability and Statistics, or<br>higher college transfer math | MAT 105 or satisfactory placement into one of the listed MAT courses or higher math, plus placement into RDG 100 or higher                                                          |      |       | 3      |
| <b>Second Term</b>                                                     |                                                                                                                                   |                                                                                                                                                                                     |      |       |        |
| IST 220                                                                | Data Communications                                                                                                               | Placement into ENG 101 and placement into MAT 105 or higher                                                                                                                         |      |       | 3      |
| CPT 168                                                                | Programming Logic and Design                                                                                                      | CPT 113, CPT 257, and placement in MAT 105 or higher                                                                                                                                |      |       | 3      |
| CPT 170                                                                | Microcomputer Applications                                                                                                        | CPT placement score or successful completion of COL 107; or placement into MAT 105 or higher and placement into ENG 101                                                             |      |       | 3      |
| CPT 209                                                                | Computer Systems Management                                                                                                       | Placement into ENG 101 and placement into MAT 105 or higher                                                                                                                         |      |       | 3      |
| <b>Third Term</b>                                                      |                                                                                                                                   |                                                                                                                                                                                     |      |       |        |
| IST 110                                                                | Intro to Cyberspace and Cybersecurity                                                                                             | (CPT 257 and IST 220) or (AOT 162 and AOT 251)                                                                                                                                      |      |       | 3      |
| IST 190                                                                | LINUX Essentials                                                                                                                  | CPT 257 and IST 220                                                                                                                                                                 |      |       | 3      |
| SPC 205 or<br>SPC 208 or<br>SPC 209                                    | Public Speaking or<br>Intercultural Communication or<br>Interpersonal Communication                                               | ENG 101 or ENG 165 (same prerequisites for both courses)                                                                                                                            |      |       | 3      |
| <b>Fourth Term</b>                                                     |                                                                                                                                   |                                                                                                                                                                                     |      |       |        |
| IST 191                                                                | LINUX Administration                                                                                                              | IST 190                                                                                                                                                                             |      |       | 3      |
| IST 257                                                                | LAN Network Server Technologies                                                                                                   | CPT 257 and IST 220                                                                                                                                                                 |      |       | 3      |
| IST 266                                                                | Internet and Firewall Security                                                                                                    | Co-requisite: IST 110 (required)                                                                                                                                                    |      |       | 3      |
| IST 272                                                                | Relational Database                                                                                                               | CPT 113 or CPT 170, Placement into MAT 109, 110, 120 or higher or college transferable math                                                                                         |      |       | 3      |
| Social Science Requirement                                             | Social Science choice                                                                                                             |                                                                                                                                                                                     |      |       | 3      |
| <b>Fifth Term</b>                                                      |                                                                                                                                   |                                                                                                                                                                                     |      |       |        |
| IST 198                                                                | Cloud Essentials                                                                                                                  | CPT 257, IST 110, IST 220, IST 190, IST 257                                                                                                                                         |      |       | 3      |
| IST 258                                                                | LAN Directory Services                                                                                                            | IST 257 and IST 220                                                                                                                                                                 |      |       | 3      |
| CPT 264                                                                | Systems and Procedures                                                                                                            | CPT 168 or IST 272                                                                                                                                                                  |      |       | 3      |
| Humanities Requirement                                                 | Humanities choice                                                                                                                 |                                                                                                                                                                                     |      |       | 3      |
| <b>Sixth Term</b>                                                      |                                                                                                                                   |                                                                                                                                                                                     |      |       |        |
| CPT 267                                                                | Technical Support Concepts                                                                                                        | CPT 209, CPT 257, IST 220                                                                                                                                                           |      |       | 3      |
| Technical Elective*                                                    | Technical Elective *                                                                                                              | Technical elective specific                                                                                                                                                         |      |       | 3      |
| CPT 275                                                                | Computer Technology Senior Project                                                                                                | CPT 264 and CPT 231 or CPT 237 or IST 203 or IST 204 or IST 258 or IST 191 or IST 292 or IST 294; and SPC 205, SPC 208 or SPC 209; and MAT 103 or MAT 109 or MAT 120 or higher math |      |       | 3      |

TOTAL CREDIT HOURS REQUIRED FOR THE PROGRAM

**72**

**\* Technical Electives**

| Course # | Name of Course                     | Prerequisites                                               | Term | Grade | Credit |
|----------|------------------------------------|-------------------------------------------------------------|------|-------|--------|
| CPT 230  | C# Programming I                   | CPT 113 and CPT 168                                         |      |       | 3      |
| IST 201  | Cisco Internetworking Concepts     | IST 220 and placement into MAT 105 or higher                |      |       | 3      |
| IST 226  | Internet Programming               | Placement into ENG 101 and placement into MAT 105 or higher |      |       | 3      |
| IST 267  | Network Vulnerability Assessment   | IST 110, IST 266                                            |      |       | 3      |
| IST 278  | Database Programming               | IST 272 and MAT 105 or higher                               |      |       | 3      |
| IST 291  | Fundamentals of Network Security I | IST 110, IST 266                                            |      |       | 3      |
| IST 293  | IT and Data Assurance I            | IST 110                                                     |      |       | 3      |