

**GREENVILLE TECHNICAL COLLEGE**  
**Computer Technology Department**  
**Associate of Applied Science Degree in Computer Technology - Network Administration Concentration (AAS.CPT.NET)**  
**Fall 2016**

Student's Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

Advisor: \_\_\_\_\_

Department Head Approval: \_\_\_\_\_

| Course #                                                               | Name of Course                                                                                                                    | Prerequisites                                                                                                                    | Term | Grade | Credit |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------|-------|--------|
| <b>First Term</b>                                                      |                                                                                                                                   |                                                                                                                                  |      |       |        |
| CPT 113                                                                | Information Systems                                                                                                               | Placement into MAT 032 and placement into RDG 100                                                                                |      |       | 3      |
| IST 220                                                                | Data Communications                                                                                                               | Placement into MAT 101 or higher                                                                                                 |      |       | 3      |
| CPT 257                                                                | Operating Systems                                                                                                                 | Placement into MAT 101 or higher                                                                                                 |      |       | 3      |
| ENG 101                                                                | English Composition I                                                                                                             | Satisfactory placement in writing or completion of ENG 100 <u>and</u> satisfactory placement in reading or completion of RDG 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 102 or satisfactory placement into one of the listed MAT courses or higher math                                              |      |       | 3      |
| <b>Second Term</b>                                                     |                                                                                                                                   |                                                                                                                                  |      |       |        |
| CPT 170                                                                | Microcomputer Applications                                                                                                        | CPT placement score or successful completion of COL 107; plus placement into MAT 101 or higher and placement into RDG 100        |      |       | 3      |
| CPT 209                                                                | Computer Systems Management                                                                                                       | Placement into MAT 101 or higher                                                                                                 |      |       | 3      |
| CPT 230                                                                | C# Programming I                                                                                                                  | CPT 101 or CPT 170 or CPT 113; MAT 102 or higher                                                                                 |      |       | 3      |
| SPC 205 or<br>SPC 209                                                  | Public Speaking or<br>Interpersonal Communication                                                                                 | ENG 101 or ENG 165 (same prerequisites for both courses)                                                                         |      |       | 3      |
| IST 201                                                                | Cisco Networking Concepts                                                                                                         | IST 220; placement in MAT 102 or higher                                                                                          |      |       | 3      |
| <b>Third Term</b>                                                      |                                                                                                                                   |                                                                                                                                  |      |       |        |
| IST 226                                                                | Internet Programming                                                                                                              | Placement into MAT 032 and RDG 100                                                                                               |      |       | 3      |
| CPT 267                                                                | Technical Support Concepts                                                                                                        | CPT 209 and CPT 257                                                                                                              |      |       | 3      |
| IST 272                                                                | Relational Database                                                                                                               | CPT 101 or CPT 170 or CPT 113 and MAT 102 or higher                                                                              |      |       | 3      |
| IST 202                                                                | Cisco Router Configuration                                                                                                        | IST 201                                                                                                                          |      |       | 3      |
| <b>Fourth Term</b>                                                     |                                                                                                                                   |                                                                                                                                  |      |       |        |
| IST 266                                                                | Internet and Firewall Security                                                                                                    | IST 220                                                                                                                          |      |       | 3      |
| CPT 264                                                                | Systems and Procedures                                                                                                            | CPT 186 or CPT 187 or CPT 230 or IST272                                                                                          |      |       | 3      |
| IST 203                                                                | Advanced Cisco Router Configuration                                                                                               | IST 202                                                                                                                          |      |       | 3      |
| IST 295                                                                | Fundamentals of Voice Over IP                                                                                                     | IST 201; Corequisite: IST 202                                                                                                    |      |       | 3      |
| Humanities Requirement                                                 | Humanities choice                                                                                                                 |                                                                                                                                  |      |       | 3      |
| <b>Fifth Term</b>                                                      |                                                                                                                                   |                                                                                                                                  |      |       |        |
| CPT 275                                                                | Computer Technology Senior Project                                                                                                | CPT 264; IST 203; (SPC 205 or SPC 209);<br>(MAT 103 or MAT 109 or MAT 120 or higher)                                             |      |       | 3      |
| IST 204                                                                | Cisco Troubleshooting                                                                                                             | IST 203                                                                                                                          |      |       | 3      |
| Technical Elective <sup>(A)</sup>                                      | choose one course from list below                                                                                                 |                                                                                                                                  |      |       | 3      |
| Social Science Requirement                                             | Social Science choice                                                                                                             |                                                                                                                                  |      |       | 3      |

**TOTAL CREDIT HOURS REQUIRED FOR THE PROGRAM**

**69**

**(A) - Technical Elective Courses**

| Course # | Name of Course                           | Prerequisites                                            | Term | Grade | Credit |
|----------|------------------------------------------|----------------------------------------------------------|------|-------|--------|
| IST 190  | IST 190 Linux Essentials                 | CPT 257                                                  |      |       | 3      |
| IST 257  | IST 257 LAN Network Server Technologies  | CPT 257                                                  |      |       | 3      |
| CPT 236  | CPT 236 Introduction to JAVA Programming | CPT 186 or CPT 187 or CPT 230                            |      |       | 3      |
| CPT 239  | CPT 239 Active Server Pages              | (CPT 186 or CPT 187 or CPT 230) and (IST 226 or IST 237) |      |       | 3      |
| CPT 283  | CPT 283 PHP Programming I                | (CPT 186 or CPT 187 or CPT 230) and (IST 226 or IST 237) |      |       | 3      |