

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE IN  
COMPUTER ENGINEERING TECHNOLOGY**

**TOTAL CREDITS REQUIRED:120**

| CORE CURRICULUM (STANDARD)*               |                        | MAJOR<br>(COMPUTER ENGINEERING<br>TECHNOLOGY ) | OTHER<br>REQUIREMENTS | MINOR<br>REQUIREMENTS |
|---|------------------------|--|-----------------------|-----------------------|
| TSU COURSES                               | TCCNS EQUIVALENT       |  |                       |                       |
| 42 credits                                |                        | 47 credits                                     | 31 credits            | 0 credits             |
| <u>Communication:</u>                     |                        | ELET 111 (1)                                   | CHEM 111 (1)          |                       |
| ENG 131 (3)**                             | ENGL 1301              | ELET 113 (1)                                   | ENGT 331 (3)          |                       |
| ENG 132 (3)                               | ENGL 1302              | ELET 114 (1)                                   | ENGT 333 (1)          |                       |
| <u>Mathematics:</u>                       |                        | ELET 131 (3)                                   | DRFT 233 (3)          |                       |
| MATH 133 (3)                              | MATH 1314              | ELET 133 (3)                                   | ITEC 331 (3)          |                       |
| <u>Life and physical sciences:</u>        |                        | ELET 134 (3)                                   | MATH 134 (3)          |                       |
| CHEM 131 (3)                              | CHEM 1311              | ELET 215 (1)                                   | MATH 241 (4)          |                       |
| PHYS 237 (3)                              | PHYS 130 1             | ELET 235 (3)                                   | MATH 242 (4)          |                       |
| <u>Language, philosophy, and culture:</u> |                        | ELET 313 (1)                                   | MATH 345 (3)          |                       |
| ENG 2xx (3) ***                           |                        | ELET 333 (3)                                   | PHYS 213 (1)          |                       |
| <u>Creative arts:</u>                     |                        | ELET 422 (3)                                   | PHYS 214 (1)          |                       |
| MUSI 239 (3)                              | HUMA 1315              | CMET 412 (1)                                   | PHYS 238 (3)          |                       |
| <u>American history:</u>                  |                        | CMET 416 (1)                                   | FS 102 (1)            |                       |
| HIST 231 (3)                              | HIST 1301              | CMET 417 (1)                                   |                       |                       |
| HIST 232 (3)                              | HIST 1302              | CMET 331 (3)                                   |                       |                       |
| <u>Government/political science:</u>      |                        | CMET 432 (3)                                   |                       |                       |
| POLS 235 (3)                              | GOVT 2305              | CMET 435 (3)                                   |                       |                       |
| POLS 236 (3)                              | GOVT 2306              | CMET 436 (3)                                   |                       |                       |
| <u>Social and behavioral sciences:</u>    |                        | CMET 437 (3)                                   |                       |                       |
| SOC 157 (3)                               | SOCI 1301              | CMET 438 (3)                                   |                       |                       |
| <u>Institutional Options:</u>             |                        | CMET 441 (0)                                   |                       |                       |
| SC 135 or 136 (3)                         | SPCH 1321 or SPCH 1315 | CMET 470 (3)                                   |                       |                       |
| CS 116 (3)                                | COSC 1301              |  |                       |                       |
|   |                        |  |                       |                       |
|   |                        |  |                       |                       |
|   |                        |  |                       |                       |
|   |                        |  |                       |                       |
|   |                        |  |                       |                       |

\*Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF SCIENCE IN  
COMPUTER ENGINEERING TECHNOLOGY**

**TOTAL CREDITS: 120**

| First Year | FIRST SEMESTER                            |               | SECOND SEMESTER                           |               |
|------------|---|---------------|---|---------------|
|            | ELET 111 DC Circuit Lab                   | 1             | ELET 113 AC Circuits Lab                  | 1             |
|            | ELET 131 DC Circuits                      | 3             | ELET 133 AC Circuits                      | 3             |
|            | ENG 131 Freshman English I                | 3             | ENG 132 Freshman English II               | 3             |
|            | MATH 133 College Algebra                  | 3             | MATH 134 Plane Trig. or MATH 136 Pre Cal. | 3             |
|            | CS 116* Intro to Computer and their Appl. | 3             | CHEM 111 General Chemistry Lab            | 1             |
|            | ENGT 333 Ethics in Prof Eng Practice      | 1             | CHEM 131 General Chemistry                | 3             |
|            | FS 102 Freshman Seminar                   | 1             | SC 135 Business & Prof. Comm.             | 3             |
|            |   | <b>15 Hrs</b> |   | <b>17 Hrs</b> |

| Second Year | THIRD SEMESTER                  |               | FOURTH SEMESTER                    |               |
|-------------|---------------------------------|---------------|------------------------------------|---------------|
|             | ELET 114 Electronics I Lab      | 1             | ELET 215 Digital Systems Lab       | 1             |
|             | ELET 134 Electronics I          | 3             | ELET 235 Digital Systems           | 3             |
|             | MATH 241 Calculus & Geometry I  | 4             | MATH 242 Calculus & Anal. Geometry | 4             |
|             | PHYS 237 College Physics I      | 3             | PHYS 238 College Physics II        | 3             |
|             | PHYS 213 Physics for Eng. Lab I | 1             | PHYS 214 Phys for Eng. Lab II      | 1             |
|             | ENG 2xx Upper level English     | 3             | MUSI 239 Fine Arts in Daily Living | 3             |
|             |                                 | <b>15 Hrs</b> |                                    | <b>15 Hrs</b> |

| Third Year | FIFTH SEMESTER                           |               | SIXTH SEMESTER                         |               |
|------------|--|---------------|--|---------------|
|            | ELET 313 Microprocessor Architecture Lab | 1             | CMET 331 Operating Systems             | 3             |
|            | ELET 333 Microprocessor Architecture     | 3             | ITEC 331 Technical Writing             | 3             |
|            | MATH 345 Applied Math & Stat. for Tech.  | 3             | POLS 236 America Pol System II         | 3             |
|            | ENGT 331 Engineering Economy             | 3             | ELET 422 Advanced Stru. Prog. With C++ | 3             |
|            | DRFT 233 Intro to Computer Aided Design  | 3             | CMET 417 Data Commun. Methods Lab      | 1             |
|            | POLS 235 America Pol System I            | 3             | CMET 437 Data Communication Methods    | 3             |
|            |  | <b>16 Hrs</b> |  | <b>16 Hrs</b> |

| Fourth Year | SEVENTH SEMESTER                          |               | EIGHTH SEMESTER                         |               |
|-------------|---|---------------|---|---------------|
|             | CMET 435 Advance Micro-Computer networks  | 3             | CMET 438 Artificial Intelligence        | 3             |
|             | CMET 412 Senior Project I                 | 1             | CMET 470 Java Programming               | 3             |
|             | CMET 416 Applied Microprocessor Soft. Lab | 1             | CMET 432 Senior Project II              | 3             |
|             | CMET 436 Applied Microprocessor Soft      | 3             | HIST 232 Soc. Pol. His. of U.S.II       | 3             |
|             | SOC 157 Intro to Sociology                | 3             | CMET 441 Computer Eng. Tech. Comp. Exam | 0             |
|             | HIST 231 Soc. Pol. His. of U.S.I          | 3             |   |               |
|             |   | <b>14 Hrs</b> |   | <b>12 Hrs</b> |