

TEXAS SOUTHERN UNIVERSITY
 COLLEGE OF SCIENCE AND TECHNOLOGY
 DEPARTMENT OF ENGINEERING TECHNOLOGIES

**CURRICULUM FOR MAJORS IN
 ELECTRONICS ENGINEERING TECHNOLOGY**

FRESHMAN YEAR

| FIRST SEMESTER | SH | GR | SECOND SEMESTER | SH | GR |
|---|-----------|--------------|---|-----------|--------------|
| ELET 111 DC Circuits Lab | 1 | _____ | ELET 113 AC Circuits Lab | 1 | _____ |
| ELET 131 DC Circuits | 3 | _____ | ELET 133 AC Circuits | 3 | _____ |
| ELET 130 Introduction to Stru. Programming with C++ | 3 | _____ | ENG 132 Freshman English II | 3 | _____ |
| DRAFT 233 Introduction to Computer-Aided Design | 3 | _____ | MATH 134 Plane Trigonometry | 3 | _____ |
| * MATH 133 College Algebra | 3 | _____ | CHEM 111 General Chemistry Laboratory I | 1 | _____ |
| * ENG 131 Freshman English I | 3 | _____ | CHEM 131 General Chemistry I | 3 | _____ |
| ITEC 111 Orientation | 1 | _____ | | 14 | _____ |
| | 17 | _____ | | | |

SOPHOMORE YEAR

| | | | | | |
|-------------------------------------|-----------|--------------|---|-----------|--------------|
| ELET 112 Electronics I Lab | 1 | _____ | ELET 212 Electronics II Lab | 1 | _____ |
| ELET 132 Electronics I | 3 | _____ | ELET 232 Electronics II | 3 | _____ |
| ELET 214 Digital Logic Circuits Lab | 1 | _____ | ELET 213 Digital Hardware Design Lab | 1 | _____ |
| ELET 241 Digital Logic Circuits | 3 | _____ | ELET 243 Digital Hardware Design | 3 | _____ |
| MATH 241 Calculus & Anal Geometry I | 4 | _____ | MATH 242 Calculus & Anal Geometry II | 4 | _____ |
| ENG (Any 200 Series) | 3 | _____ | MUSIC 239 Fine Arts in Daily Living | 3 | _____ |
| | 15 | _____ | SC 135 Business and Prof. Communication | 3 | _____ |
| | | | | 18 | _____ |

JUNIOR YEAR

| | | | | | |
|---|-----------|--------------|--|-----------|--------------|
| ELET 313 Microprocessor Architecture Lab | 1 | _____ | ELET 311 Communication Systems Lab | 1 | _____ |
| ELET 343 Microprocessor Architecture | 3 | _____ | ELET 331 Communication Systems | 3 | _____ |
| PHYS 215 Phys Lab for Technology I | 1 | _____ | ITEC 331 Technical Writing | 3 | _____ |
| PHYS 235 Phys for Technology I | 3 | _____ | PHYS 216 Physics Lab for Tech II | 1 | _____ |
| MATH 345 Applied Math & Statistics for Technology | 3 | _____ | PHYS 236 Physics for Tech II | 3 | _____ |
| HIST 231 Soc Pol Hist of U.S. | 3 | _____ | HIST 232 Soc Pol Hist of U.S. | 3 | _____ |
| POLSC 231 American Political System I | 3 | _____ | POLSC 232 American Political System II | 3 | _____ |
| | 17 | _____ | | 17 | _____ |

SENIOR YEAR

| | | | | | |
|--|-----------|--------------|---|-----------|--------------|
| ELET 312 Control Systems Lab | 1 | _____ | ELET 410 Computer Control Systems Lab | 1 | _____ |
| ELET 332 Control Systems | 3 | _____ | ELET 430 Computer Control Systems | 3 | _____ |
| ELET 353 Microcomputer Software Applications | 3 | _____ | ELET 413 Microprocessor Interfacing Lab | 1 | _____ |
| ELET 411 Microcomputer Networks Lab | 1 | _____ | ELET 431 Microprocessor Interfacing | 3 | _____ |
| ELET 412 Senior Project Proposal | 1 | _____ | ELET 432 Sr. Electronics Project | 3 | _____ |
| ELET 434 Microcomputer Networks | 3 | _____ | ELET 441 Electronics Sr. Comp. | 0 | _____ |
| ** TECHNICAL ELECTIVE | 3 | _____ | ELET 422 Advanced Stru. Prog. With C++ | 3 | _____ |
| ELECTIVE | 3 | _____ | ITEC 412 Senior Seminar | 1 | _____ |
| | 18 | _____ | | 15 | _____ |

Student's Name _____ I.D. _____ Telephone _____
 Local Address _____
 Street City State ZipCode

| | | | |
|--|------|---|------|
| Approved: | | | |
| David Olowokere, Ph.D., P.E. | Date | Demetrios Kazakos, Ph.D. | Date |
| Department Chair, Engineering Technologies | | Dean, College of Science and Technology | |

* Pending acceptable scores on English and Mathematics Placement Examinations.

** Must be one of the following courses: ENGT 331 Engineering Economy; ENGT 431 Quality Control and Assurance

ELET 322 Integrated Circuits; ELET 323 Digital Signal Processing; or ELET 223 Electric Machines