# CT State Engineering Science AS to University of Bridgeport Electrical Engineering BS Transfer Sheet

| | CT State Community College Engineering Science AS | | University of Bridgeport Electrical Engineering BS | |
|---|---|---|---|---|
| **Category** | **Community College Course** | **Credits** | **University Course** | **Credits** |
| General Education | ENG 1010 Composition | 3 | ENGL 101 | 3 |
| General Education | MATH 2600 Calculus I | 4 | MATH110 | 4 |
| General Education | PHIL 1101 Ethics | 3 | PHIL 203 | 3 |
| General Education | CHEM 1210 General Chemistry I w/ lab | 4 | CHEM123/123L | 4 |
| General Education | Elective HISX Historical Knowledge Course | 3 | SOSC | 3 |
| General Education | ENG 1020 Composition II and Literature | 3 | ENGL 102 | 3 |
| General Education | CCS 1001 College and Career Success | 3 | FYS 101* | |
| Program Courses | Elective BHEL Behavioral Science Elective | 3 | SOSC/HUM** | |
| Program Courses | Elective SSCI Social Science Elective (Economics Recommended) | 3 | SOSC | 3 |
| Program Courses | PHYS 2201 Calculus-Based Physics I | 4 | PHYS 207/207L | 4 |
| Program Courses | PHYS 2202 Calculus- Based Physics II | 4 | PHYS 208/208L | 4 |
| Program Courses | MATH 2610 Calculus II | 4 | MATH 112 | 4 |
| Program Courses | MATH 2620 Calculus III- Multivariable | 4 | MATH 215 | 4 |
| Program Courses | MATH 2622 Differential Equations | 4 | MATH 281 | 3 |
| Program Courses | EGR 1110 Introduction to Engineering | 3 | ENGR 111* | 3 |
| Program Courses | Introductory Programming Course (MATLAB preferred) | 3 | CPSC 101 | 3 |
| Program Courses | EGR 2211 Engineering Statics | 3 | Elective | 3 |
| Program Courses | EGR 2215 Thermodynamics I | 4 | Elective | 3 |
| Specialization Elective | EGR 2221 Introduction to Electrical Circuit Analysis | 4 | ELEG 233/235 | 4 |
| Specialization Elective | EETA 2052 Digital Electronics | 4 | ELEG210 | 3 |
| | **TOTAL REQUIRED CREDITS:** | **70** | **TOTAL AWARDED CREDITS:** | **61** |
| | | | University Credits remaining to complete degree after transfer | 59 |
| | | | **TOTAL CREDITS IN DEGREE:** | **120** |

*Either FYS 101 or ENGR 111 is required.

**Only two SOSC and two HUM courses are required.

***Spec. Electives: Can be Statics, Dynamics, Thermodynamics, any 200+ level STEM course