

**UNC Charlotte B.S.E.E.¹ Lower Division Requirements and North Carolina
Common Course Library Equivalent Courses for North Carolina Community College Students**

Freshman Year

First Semester:

| NCCCL ² Course | | UNC Charlotte Equivalent Course | |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------|-------------|
| EGR 150 Intro to Engineering | (2) | ENGR 1201- Intro To Engineering Practices & Principles I | (2) |
| CHM 151 General Chemistry I with Lab | (4) | CHEM 1251 - Principles of Chemistry | (3) |
| | | CHEM 1251L - Chemistry Lab | (1) |
| MAT 271 Calculus I | (4) | MATH 1241 - Calculus I | (3) |
| ENG 111 Expository Writing | (3) | ENGL 1101 - English Composition | (3) |
| Pick one: ART 110, 111, 114, 115, 116, 117, DAN 110, 211, 212, DRA 111, 112, 115, 211, 212 or MUS 110, 113, 114, 210, 213, 271, 272 | (3) | LBST 1101, 1102, 1103, 1104 or 1105 - Arts and Society | (3) |
| Total Semester Hours | (16) | Total Semester Hours | (15) |

Second Semester:

| NCCCL Course | | UNC Charlotte Equivalent Course | |
|---------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------|-------------|
| Pick one: HIS 111, 112, 121, 122, 131, 132, 221, 222, 223, 231, HUM 121, 122, 150, 211, 212, PHI 210, REL 112, 221, or SOC 230. | (3) | LBST 2101 - Western Tradition | (3) |
| PHYS 251 General Physics with Lab | (4) | PHYS 2101 – Physics for Science & Engineering I | (3) |
| | | PHYS 2101L - Physics Lab I | (1) |
| MAT 272 Calculus II | (4) | MATH 1242 - Calculus II | (3) |
| ENG 113 Literature-Based Research | (3) | ENGL 1102 - Composition & Literature | (3) |
| Pick one: ANT 220, 221, GEO 111, 112, HIS 114, 115, 165, HUM 120, POL 210, 220, REL 110, 111, or SOC 225. | (3) | LBST 2102 – Global Understanding | (3) |
| Total Semester Hours | (17) | Total Semester Hours | (16) |

Sophomore Year

First Semester:

| NCCCL Course | | UNC Charlotte Equivalent Course | |
|-------------------------------------|-------------|----------------------------------------------------|-------------|
| CSC 134 C++ Programming | (3) | ECGR 2103 - Computer Utilization in C++ | (3) |
| EGR 215 Network Theory I | (3) | ECGR 2111 - Network Theory I | (3) |
| EGR 216 Logic and Network Lab | (1) | ECGR 2155 - Lab: Logic & Networks | (1) |
| EGR 212 Logic System design I | (3) | ECGR 2181 - Logic System Design I | (3) |
| PHY 252 General Physics II with Lab | (4) | PHYS 2102 - Physics for Science & Engineering II | (3) |
| | | PHYS 2102 - Physics Lab II (not required for BSEE) | (1) |
| MAT 273 Calculus III | (4) | MATH 2241 - Calculus III | (3) |
| Total Semester Hours | (18) | Total Semester Hours | (17) |

Second Semester:

| NCCCL Course | | UNC Charlotte Equivalent Course | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------|-------------|
| EGR 218 Network Theory II | (3) | ECGR 2112 - Network Theory II | (3) |
| ECO 252 Principles of Macroeconomics | (3) | ECON 2101 – Principles of Economics – Macro | (3) |
| EGR 219 Instrument and Network Lab | (1) | ECGR 2156 - Lab: Instrumentation and Networks | (1) |
| MAT 285 Differential Equations | (3) | MATH 2171 - Differential Equations | (3) |
| Pick one: ENG 131, 132, 133, 134, 135, 231, 232, 233, 234, 241, 242, 243, 251, 252, 253, 261, 262, 265, 266, 271, 272, 273, 274, 275, HEA 110, HUM 110, 115, 130, 220, PHI 215, 220, 221, 240, SOC 213, 220, SPA 151, or REL 211, 212. | (3) | LBST 2211-2215 Ethical Issues and Cultural Critique | (3) |
| Total Semester Hours | (13) | Total Semester Hours | (13) |

¹ Bachelor of Science in Electrical Engineering.

² North Carolina Common Course Library.