

# HBU - HCC

## Articulation Agreement – Bachelor of Science in Electrical Engineering

### Liberal Arts Core – 38 Hours

HBU	HCC
ENGL 1313	ENGL 1301
ENGL 1323	ENGL 1302
ENGL 2315 or 2325	ENGL 2322, 2323, 2327, 2328, 2332, 2333, 2342, 2343, or 2351
PSYC 1313	PSYC 2301 or SOCI 1313
PHIL 1313	PHIL 1301, 1304, 2306, 2316, 2317, 2318, or 2321
CHEM 2415	CHEM 1411
CHRI 1301	Completed at HBU
CHRI 2373	Completed at HBU
CHRI 3300*	Completed at HBU
MATH 1451	MATH 2413
GOVT 2313	GOVT 2305
HIST 2311	HIST 1302, 2311, or 2321
HIST 2312, 2313, 2323	HIST 1301, 2312, or 2322
ART 2343, ART 2381 or MUSI 1331	ARTS 1301, 1303, 1304; MUSI 1306, 1307, 1308; DRAM 2361, 2366; or DANC 2303
COMM 1323	SPCH 1311, 1315, or 1318

\*Students transferring to HBU w/45 hours or more of transferable college credit are only required to take CHRI 3300 to meet their Smith College of Liberal Arts Christianity requirements.

### MATH & Engineering Requirements\* – 27 Hours

HBU	HCC
MATH 1452	MATH 2414 (Calculus II)
MATH 1453	MATH 2415 (Calculus III)
PHYS 2413	PHYS 2325/2125
PHYS 2423	PHYS 2326/2126
ENSC 1411 and ENSC 1412	ENGR 1201 (Intro to ENGR) and ENGR 1204 (ENGR Graphics) and ENGR 2304 (Programming)
ENSC 2361	ENGR 2405 (Elec Circuits)

\*Although not required in the HCC A.S. in Eng Science, HCC students may also complete COSC 1436, 1437 and 2436 to receive credit for the HBU required courses of COSC 1351 and 1352.

### Major at a Glance

Major	Electrical Engineering
Degree Hours	128
Add'l MATH Req'ts	6 hours (Discrete Math, Diff. Eq)
Add'l Engineering Req'ts	54 hours
Career Options	IoT, control systems, electronic devices, energy, process control
Husky Fact	Project-based learning, integration of math & science with engineering and computer, curricular threads (1 <sup>st</sup> yr to 4 <sup>th</sup> yr), internship, industry engagement

The minimum undergraduate residence requirement for the baccalaureate degree is 36 hours, including at least 12 semester hours of upper level courses in one's major completed at HBU with a grade of "C" or better in each course. To graduate, all students must complete at least 125 semester hours, meet proficiency standards if required, earn required CLW points, earn a "C" or better in all major classes, and file a degree plan and intent to graduate. This is not a contract or a guarantee of a degree. Degree requirement and articulated courses at HBU can change. Students are responsible for being aware of any changes and meeting regularly with their advisors to update their plan of study.