

**Memorandum of Understanding  
Establishing an Articulation Agreement Between**

**BATON ROUGE COMMUNITY COLLEGE**  
Associate of Science in Pre-Engineering

**AND**

**LOUISIANA TECH UNIVERSITY**  
Bachelor of Science in a College of Engineering Discipline

**ENGLISH (6 credit hours):**

BRCC COURSE	LA TECH COURSE
ENGL 1013 (101) (3)	ENGL 101 (3)
ENGL 1023 (102) (3)	ENGL 102 (3)

**MATHEMATICS (15 credit hours):**

BRCC COURSE	LA TECH COURSE
MATH 2115 (210) (5)	MATH 241 (3)
MATH 2125 (211) (5)	MATH 242 (3)
MATH 2134 (212) (4)	MATH 243 (3)
	MATH 244 (3)
MATH 2904 (290) (4)	MATH 245 (3)

**APPROVED NATURAL SCIENCE (9 credit hours):**

BRCC COURSE	LA TECH COURSE
CHEM 1123 (101) (3)	CHEM 101 (2) + 103 (1-lab)
PHYS 2133 (221) (3)	PHYS 201 (3)
*PHYS 2153 (223) (3) or	PHYS 202 (3) or
*CHEM 1133 (102) (3)	CHEM 102 (2) + 104 (1-lab)
* Students pursuing Biomedical, Chemical, or Civil Engineering degrees should take CHEM 1133 instead of PHYS 2153.	

**SOCIAL SCIENCES (6 credit hours):**

BRCC COURSE	LA TECH COURSE
GenEd Social Science (3)	
GenEd Social Science (3)	
OR	
ECON 2213 (201)	ECON 2010
ECON 2223 (202)	ECON 2000

**ARTS (3 credit hours):**

BRCC COURSES	LA TECH COURSE
ART ELECT. (3)	ART ELECT. (3)

**HUMANITIES (6 credit hours): Pick any 3 courses**

BRCC COURSE	LA TECH COURSE
LIT. ELECT. (3)	LIT. ELECT. (3)
GenEd Humanities (World/Int'l History) (3)	

**ADDITIONAL SCIENCE ELECTIVE (3 credit hours):**

<b>BRCC COURSE</b>	<b>LA TECH COURSE</b>
BIOL 1033 (120) (3)	BISC 130 (3)

**PRE-ENGINEERING (12 credit hours):**

<b>BRCC COURSE</b>	<b>LA TECH COURSE</b>
ENGR 1032 (103) (2)	In lieu of ENGR 120/121/122 (6); 4 hours of additional advanced engineering to be taken in major curriculum
ENGR 2453 (245) (3)	ENGR 220 (3-Statics)
ENGR 2953 (245) (3)	ENGR 221 (3-Circuits)
*ENGR 2353 (235) (3)	MEMT 201 (2-Materials & MEEN 215 or CVEN 202 (1Material Lab)
* Students pursuing Chemical Engineering should take PHYS 2153 (223) instead of ENGR 2353 (235).	

**Applicable to these B.S. degrees at Louisiana Tech University:**

- **Biomedical Engineering**
- **Chemical Engineering**
- **Civil Engineering**
- **Electrical Engineering**
- **Industrial Engineering**
- **Mechanical Engineering**
- **Nanosystems Engineering**