



**Transfer Guide into  
 The William States Lee College of Engineering**

**Engineering Programs**

**Degree:** Bachelor of Science in [Major]  
**Majors:** Civil Engineering  
 Computer Engineering  
 Electrical Engineering  
 Mechanical Engineering  
 Systems Engineering

**Admission Requirements:** Admission to civil, computer, electrical, and systems engineering requires an overall transfer GPA of 2.5 for all college courses. The transfer GPA required for admission to mechanical engineering is 3.0. Admission to an engineering program also requires completion of pre-calculus with a grade of C or higher. The pre-calculus course must be equivalent to UNC Charlotte’s MATH 1103 or a higher level course for which pre-calculus is a pre-requisite.

**Transfer Courses:** Students should use the UNC Charlotte [Transfer Credit Advisor](#) to verify that courses taken at their institution will count for an equivalent course here. Refer to the [Academic Plan of Study](#) for courses required for the major. Students are also encouraged to complete University [General Education requirements](#) in addition to the following courses.

UNC Charlotte Equivalent Course Title	UNC Charlotte Equivalent Course Number	Civil	Computer	Electrical	Mechanical	Systems
Introduction to Engineering I	ENGR 1201	X	X	X	X	X
General Chemistry I	CHEM 1251 and 1251L	X	X	X	X	X
Computer Utilization in C++	ECGR 2103		X	X		
Computer Engineering Programming II	ECGR 2104		X			
Economics of Social Issues	ECON 1101					X
Principles of Economics – Macro or Micro	ECON 2101 or 2102		X	X	X	
Calculus I	MATH 1241	X	X	X	X	X
Calculus II	MATH 1242	X	X	X	X	X
Calculus III	MATH 2241	X		X	X	X
Differential Equations	MATH 2171	X	X	X	X	
Physics for Science and Engineers I	PHYS 2101 and 2101L	X	X	X	X	X
Physics for Science and Engineers II	PHYS 2102 and 2102L	X	X	X – Lab not required	X	X

*\*Note: Unless otherwise specified, these courses **must** include labs.*