



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

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

**Transfer Admission Requirements:** *for direct admission into engineering*

- 24 transferable credits complete
- Cumulative GPA of 2.5 or higher for Civil, Computer, Electrical and Systems Engineering
- Cumulative GPA of 3.0 or higher for Mechanical Engineering
- College-level Calculus I (equivalent to MATH 1241 at UNC Charlotte) must be complete with a grade of C or higher prior to transferring

**Suggested Transfer Courses:** Below are some suggested courses that align with engineering degree requirements at UNC Charlotte. Students should use the UNC Charlotte [Transfer Credit Advisor](#) to verify that courses taken at their institution will count as an equivalent course. Refer to the [University Catalog](#) for more information about each engineering program and to identify the courses required for individual engineering majors. In addition to the major-specific suggestions below, students are also encouraged to complete some University [General Education requirements](#) prior to transferring.

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
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	<b>X</b>
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.*