



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

**Degree:** Bachelor of Science in [Major] **Majors:** Civil Engineering

Computer Engineering  
Electrical Engineering  
Mechanical Engineering  
Systems Engineering

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

- 24 transferable credits complete
- Cumulative GPA of 2.5 or higher for Civil, Computer, Electrical and Systems Engineering
- Cumulative GPA of 2.8 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 - ENGR 1202	X	X		
Computer Engineering Programming II	ECGR 2104		X			
Economics of Social Issues	ECON 1101					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	X
Differential Equations	MATH 2171	X	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*	X	X
--------------------------------------	---------------------	---	---	----	---	---

*Note: all science courses require labs unless notated with\**

*Rev. 06/2023*