SYNTHETIC BIOLOGY, POST-BACCALAUREATE CERTIFICATE

Synthetic biology involves redesigning biological systems such as enzymes for useful purposes by engineering them to have new abilities and functions. It can be used to find solutions in medicine, manufacturing, and agriculture. The Post-Baccalaureate Certificate in Synthetic Biology program allows students with STEM bachelors degrees to understand the fundamental concepts in synthetic biology and prepare them for their future careers related to this ever-expanding field.

For information regarding deadlines and requirements for admission, please see the Guide to Graduate Admissions (https://grs.uncg.edu/prospective/guide/).

A baccalaureate degree in Chemistry, Physics, Engineering, Biology or a closely related STEM field.

Certificate Program Requirements

Required: 12 credit hours*

Code	Title	Credit Hours
Select four courses (12 credits) from the following:		**12**
NAN 602	Physical Biology	
NAN 610	Systems and Synthetic Biology	
NAN 620	Immunology	
NAN 625	Molecular Biology in Nanosciences	
NAN 630	Advances in Nano-Biosensors	
NAN 635	Nanomechanics	
NAN 641	SemiSynBio, Advanced Materials, and Beyond	
NAN 655	Biomimetics and Biomaterials	
Total Credit Hours		12

* *Transfer courses may not be used to satisfy the certificate requirements.*