

**BIOLOGICAL AND PHYSICAL SCIENCES TO COMPUTER SCIENCE
BACHELOR OF ARTS (B.A.) OR BACHELOR OF SCIENCE (B.S.) TO
MASTER OF SCIENCE (M.S.)
COMBINED PROGRAM**

(Minimum of 150 credits required)

The B.A. or B.S. degree is completed at the Wilkes Honors College (WHC), and students then receive their bachelor's degree from WHC. Students complete their master's degree work in [Computer Science](#) in the Department of Electrical Engineering and Computer Science in the College of Engineering and Computer Science and receive their master's degree from that college.

The Undergraduate/Graduate Coursework and Admissions requirements [detailed above](#) must be satisfied by students interested in this combined program. Students must also complete the prerequisite coursework for the master's degree while pursuing the bachelor's degree at WHC as listed with the [M.S. in Computer Science](#). This combined program provides an attractive way for students to continue their graduate work. The undergraduate program is completed first, and the entire combined program can be completed in approximately five years.

Degree Requirements

To be eligible for the combined B.A. or B.S. in Biological and Physical Sciences to M.S. in Computer Science degree program, students must fulfill the following requirements:

1. Completion of the requirements for the B.A. or B.S. in Biological and Physical Sciences at the WHC, and any other requirements stipulated by the College and University; and
2. Completion of all requirements for the M.S. in Computer Science program in the Engineering and Computer Science Department with either the thesis or non-thesis option.

M.S. Computer Science

Comp Science Prereqs	Prereqs	Credits	College taken at
COP 3035C Intro to Programming in Python or COP 2000 Honors Intro Programming		3	COECS (online) or WHC
MAD 2104 Discrete Mathematics		3	WHC or CoS
CEN 3062C Intro to Software Design	COP 3035C	3	COECS (online)
<u>One</u> of the course sequences (a) or (b) below:			
(a) COP 3410C Data Structures and Algorithm Analysis with Python	MAD 2104 and CEN 3062C	3	COECS online
(b) COP 3275C Systems Programming with C++	COP 3035C	3	COECS online
and			
COP 3530C Data Structures and Algorithm Analysis	COP 3275C and MAD 2104	3	COECS online
CDA 3203 Computer Logic Design		3	COECS
CDA 4102 Computer Architecture	CDA 3203 and COP 3275C	3	COECS
COP 4610 Computer Operating Systems	CDA 4102 and COP 3530C	3	COECS (online)
COT 4400 Design and Analysis of Algorithms	COP 3410C or COP 3530C	3	COECS (online)
STA 2023 Honors Intro Statistics		3	WHC or
or STA 4821 Stochastic Models for Computer Science	MAC 2312		COECS (online)
MAC 2312 Honors Calculus II	MAC 2311	4	WHC