

## B.S. in BIOTECHNOLOGY (2019-2020) BTEC

Name: \_\_\_\_\_ Student ID: \_\_\_\_\_

Students must have a minimum overall cumulative quality point average (QPA) of 2.0 and have a minimum cumulative quality point average of 2.0 in all work attempted at the University of North Carolina at Pembroke, and must have a minimum overall cumulative quality point average of 2.0 in the major field of study. Note: Minimum QPA cannot be attained by rounding up (for example, a QPA of 1.99 is not sufficient for graduation).

____ FRS 1000 ( ) Unless transferring in 15 or more hrs.	1
____ ENG 1050 ( ) 1060 ( )	6
____ FINE ARTS-1 of: ART 1450, 2050, 2080, 2090, THE 2500 or- MUS 1020, 1040, 1060, 1210, 2940, 2980 ( )	3
____ LITERATURE -1 of: ENG 2010—2020—2030—2050—2060—2080—2090—2100—2180—2190—2230—2240—2410 (AIS)—2470—2480—2200 (AIS) ( )	3
____ HISTORY-1 of: HST 1010, 1020, 1030, 1140, 1150, 1100(AIS), 1110(AIS) ( )	3
____ PHIL. & RELIGION-1 of: PHI 1000, 1010, 2040, 2070 -or- REL 1080, 1300 ( )	3
____ SOCIAL SCIENCES _____ ( ) _____ ( ) _____ ( ) (3 of: each from a different discipline) ECN 1000, 2020, 2030, 2410 PSY 1010 GGY 1010, 1020, 2000, 2060 (ECN) SOC 1020, 2090, 1050 (AIS) PLS 1000, 1010 HON 1000, 2750	9
____ General Education Elective _____ ( ) Any <u>additional</u> course from the Arts & Humanities Division or the Social Science Division listed under “General Education Requirements,” which is linked under “Undergraduate Core Requirements” in the online Academic Catalog. If foreign language chosen, must complete two courses of the <u>same</u> foreign language.	3
____ PHYSICAL EDUCATION (2 of) _____ ( ) _____ ( ) PED 1010, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1410, 1450, 1460, 1770, 1790, 1900, 1910, 1950, 1800 (MSC), 1810(THE), 1820(THE)	2
____ MATH *2210 ( ) 2220 ( ) *Will need to take prerequisites MAT 1070 and MAT 1080 <u>or</u> MAT 1090 <u>or</u> equivalent; use these courses as elective hours below.	8
____ CHEMISTRY 1300 ( ) 1100 ( ) 1310 ( ) 1110 ( ) 2270 ( ) *2500 ( ) 3110 ( ) 3120 ( ) *2500 is now a 3-hour lecture course; students will need to take the 1-hour lab (CHM 2520) as well	20
____ PHYSICS 1500 ( ) 1560 ( )	4
____ BIOTECH §3220 ( ) 4900 ( ) §Offered in the Fall of odd years	7
____ BIOLOGY 1000 ( ) 1000L ( ) 3150 ( ) 3180 ( ) *3510 ( ) 3710 WE ( ) *A substitute course will need to be authorized by the Director of Biotechnology	19

_____ BIOLOGY WRITING IN THE DISCIPLINE (WD) (1 of 4700 WD ( )) Students must complete 9 semester credit hours of Writing Enriched (WE) and Writing in the Discipline (WD) courses. One course must be a WD course and can be either BIO 4700 or a different WD course. BIO 3710 (listed above) will count as 4 hours of writing enriched (WE) credit, so you will need at least 2 more hours of WE coursework, which can come from any discipline. Double majors need only fulfill this writing requirement once.	3
_____ BIO/BTEC/CHM/PHY Electives (3): _____( ) _____( ) _____( ) BIO 3200, 3540, 3810; *BTEC 3230, 3610, BTES4xxx; CHM 3210, 3240, PHY 1510, 1570 *A substitute course will need to be authorized by the Director of Biotechnology	7-12
_____ ELECTIVES _____( ) _____( ) _____( ) _____( ) _____( ) _____( )	14-19
<b>TOTAL</b>	<b>120</b>

\*\* Must average 2.0 QPA overall in required & elective courses in Biology. You are NOT required to earn a “C” or better in each of your biology/biotechnology courses, but a "C" or better would certainly make you more desirable to future employers. You could receive a "D" in a biology/biotechnology course and conceivably have sufficiently high grades in your other biology/biotechnology courses to bring your overall QPA up to 2.0 or higher.

**General Advice:** As a science major, you will be taking several lab courses. For this degree, you will be taking at least 12 lab courses, and maybe more. Try to start taking lab courses your freshman year if possible so they don’t all “stack up” in your junior and senior years. Labs can create scheduling problems and heavy workloads if you ever have to take three a semester— better to take 1-2 each semester along the way. Definitely try your best to complete your 1000-level chemistry and biology courses by the end of your sophomore year. Finally, be aware of any courses you want or need that are not offered every fall and spring. Some upper-level courses are offered only once a year, or once every two years. When such courses roll around, pick them up as they won’t be offered again soon. The website lists the offerings of such courses under the courses link.