Science Department Math and English Core Prerequisites

Math Core

- DMA 010, 020, 030, and 040 OR
- MAT 070 OR
- MAT 060 and DMA 010 and 040 OR
- SAT Math 500+ OR
- ACT 22+ OR
- Multiple Measures

English Core

- DRE 098 OR
- ENG 095 OR
- SAT Critical Reading or Writing 500+ OR
- ACT English 18+ OR
- ACT Reading 22+ OR
- Multiple Measures

BIO 094 Policies

BIO 094 Bypass Exam

The BIO 094 Bypass Exam is open to students who believe they possess the knowledge equivalent to BIO 094. This test will take approximately 2.5 hours to complete and is rigorous. A 70% is needed on this exam to bypass BIO 094. Note that this test does not exempt the student from the math and English core required for BIO 163/168 and the exam may not be taken once the student begins BIO 094.

Two Time Rule

Students may attempt BIO 163 or BIO 168 twice. A third attempt of either course requires that the student retake BIO 094 after the second attempt and pass with a B or better. The only exception is for students improving a grade of C or better.
Science Courses Advising Information

BIO 094
Prerequisites for BIO 094 include completing the core English. This course is designed to help struggling students with BIO 163/168. The math core will need to be completed before the students moves on to BIO 163/168. This course will not transfer to a UNC System school.

BIO 110
Prerequisites for BIO 110 include completing the core math and English. This course will satisfy the natural science requirement for an AA student. The ECU equivalent is BIOL 1050/1051.

BIO 111
Prerequisites for BIO 111 include completing the core math and English as well as being an AS, Biotech, AAS Engineering or other major that requires a science major’s biology. This course will partially satisfy the natural science requirement for an AS student. The ECU equivalent is BIOL 1100/1101.

BIO 112
Prerequisites for BIO 112 include completion of BIO 111 or transferrable equivalent with a C or better within the past 10 years. The ECU equivalent is BIOL 1200/1201.

BIO 140/140A
Prerequisites for BIO 140/140A include completing the core math and English. This course will partially satisfy the general education requirement for an AA student. ECU equivalent is BIOL 1060/1061.

BIO 155
Prerequisites for BIO 155 include completion of BIO 110, 111, 163, or 168 or transferrable equivalent with a C or better within the past 10 years. This course partially satisfies requirements for entry into the nursing program. This is a rigorous, biologically focused nutrition and not a consumer nutrition course. The ECU equivalent is NUTR 2105. NUTR 1000 is not equivalent.

BIO 161
Prerequisites for BIO 161 include completion of the core English. This course is a survey course designed for Human Services students and is not transferrable to the UNC System schools.

BIO 163
Prerequisites for BIO 163 include either testing out of the math and English core or completion of BIO 094 and the math and English core. This course partially satisfies requirements for entry into some Health Sciences programs. ECU equivalent is BIOL 2130/2131.

BIO 168
Prerequisites for BIO 168 include either testing out of the math and English core or completion of BIO 094 and the math and English core. This course partially satisfies requirements for entry into some Health Sciences programs. The ECU equivalent is BIOL 2140/2141.

BIO 169
Prerequisites for BIO 169 include completion of BIO 168 or transferrable equivalent with a C or better within the past 10 years. ECU equivalent is BIOL 2150/2151.
BIO 271
Prerequisite for BIO 271 include BIO 163, BIO 169, or transferrable equivalent with a C or better within the past 10 years. BIO 271 is either directed towards the massage therapy program or the nursing program, depending on the semester offered. The student must have been admitted into the related program.

BIO 275
Prerequisites for BIO 275 include completion of BIO 110, 111, 163, 168 or transferrable equivalent with a C or better within the past 10 years. This is a very rigorous course designed for AS, Biotech, or other major that requires microbiology and may partially satisfy the pre-major elective requirement. ECU equivalent is BIOL 3220/3221.

CHM 094
Prerequisites for CHM 094 include completion of the math and English core. CHM 094 will satisfy the chemistry requirement for PCC's nursing program and is not transferrable to the UNC System schools.

CHM 131/131A
Prerequisites for CHM 131 include completion of the math and English core. CHM 131/131A will satisfy the chemistry requirement for PCC's nursing program. This course will count as local general education credit for AA students. ECU equivalent is CHEM 1120/1121.

CHM 132
Prerequisites for CHM 132 include completion of CHM 131 and CHM 131A, CHM 151, or transferrable equivalent with a C or better within the past 10 years. CHEM 1120 at ECU will not satisfy the prerequisite due to a lack of a lab. ECU equivalent is CHEM 1130/1131.

CHM 151
Prerequisites for CHM 151 include completing the core math and English as well as being an AS, Biotech, AAS Engineering or other major that requires a science major’s chemistry. This course will partially satisfy the natural science requirement for an AS student. ECU equivalent is CHEM 1150/1151.

CHM 152
Prerequisites for CHM 152 include completion of CHM 151 or transferrable equivalent with a C or better within the past 10 years. ECU equivalent is CHEM 1160/1161.

CHM 251
Prerequisites for CHM 251 include completion of CHM 152 or transferrable equivalent with a C or better within the past 10 years. This is a very rigorous course designed for AS or other majors that require organic chemistry and may partially satisfy the pre-major elective requirement. ECU equivalent is CHEM 2750/2753.

CHM 252
Prerequisites for CHM 252 include completion of CHM 251 or transferrable equivalent with a C or better within the past 10 years. ECU equivalent is CHEM 2760/2763.
Pre-Professional Programs

AA Pre-Professional

Pre-medicine, pre-dentistry, pre-physical therapy, pre-physician assistant, pre-occupational therapy students should be assigned to the AA program since they do not require calculus. Dr. Harris is advising these students.

AS Pre-Professional

Pre-pharmacy and pre-veterinary do require calculus and thus should be assigned to the AS program. Ms. Atchison and Ms. Bivans are advising these students.

Associates in Science

Biology, chemistry, physics, math, optometry, computer science, meteorology, and most wildlife and crop sciences programs should be assigned to the AS program. Ms. Atchison and Ms. Bivans are advising these students. Mr. Goodman is advising the pre-engineering students.