



Beaufort County Community College

Developmental Mathematics

The North Carolina Community College System recently redesigned the developmental math course sequence to facilitate better outcomes for our students. We are moving toward a more student-centered approach that leads to successful college completion.

There are eight modules:

DMA 010 – Operations with Integers

DMA 020 – Fractions and Decimals

DMA 030 – Proportions/Ratios/Rates/Percents

DMA 040 – Expressions, Linear Equations, Linear Inequalities

DMA 050 – Graphs and Equations of Lines

DMA 060 – Polynomials and Quadratic Applications

DMA 070 – Rational Expressions and Equations

DMA 080 – Radical Expressions and Equations

Each module is 1 credit hour and 1.25 contact hours. Students attend class for 4 weeks for a total of 20 hours. Students can potentially complete 4 modules in one semester thus completing all 8 modules in two semesters.

Students need only the developmental modules that tie directly to their curriculum level course. Therefore, it is important to first identify the curriculum level math course needed for the student's degree and what modules the student will be required to take for that course.

| <u>Curriculum Math Course</u> | <u>Required Modules</u> |
|-------------------------------|-------------------------|
| MAT 110 | DMA 010-DMA030 |
| MAT 121 | DMA 010-DMA060 |
| MAT 143 | DMA 010-DMA050 |
| MAT 152 | DMA 010-DMA080 |
| MAT 171 | DMA 010-DMA080 |

Crosswalk

Students who have credit for MAT060, MAT070, and/or MAT080 will receive credit for some or all of the modules. The courses and modules for which the student has credit is available in webadvisor and can also be accessed in Datatel using mnemonics STAC and TRAN.

MAT060 = DMA010 - DMA030

MAT070 = DMA010 - DMA050

MAT080 = DMA010 - DMA080

Example: A student requires MAT143 and has credit for MAT060. The student needs to enroll in DMA040 and DMA050.

*Prerequisite waiver form required for MAT060 students enrolling in MAT 110

The Placement Test

Students admitted to BCCC will take a new diagnostic placement test (NCDAP) test to determine placement in the DMAs. The test is aligned with modular content and will identify modules for which the student receives credit. Scores are accessed in webadvisor (or in Datatel using the mnemonic TSUM).

- Students scoring a 1 on the DMA010 portion of the test without mastery in the other modules must enroll in BSP2000 through Continuing Education.
- A score of 7 is required to receive credit for a module and “NC” credit is awarded in datatel. Students are not tested for DMA070 and DMA080. Credit for DMA070 and DMA080 is awarded when a student scores a 7 or higher on all six DMA010 – DMA060 tests. For students planning to take MAT152 or MAT171, if they do not earn a 7 or higher on all six DMA010 – DMA060 tests, they are required to take DMA070 and DMA080.
- Students who graduated from high school in the last five years, took four appropriate math courses while there, and had an unweighted high school GPA of 2.6 are exempt from taking the NCDAP.
- The placement test is waived under the following conditions:
 - a) Score of 500 or higher on the SAT in critical reading or writing and mathematics
 - b) ACT reading score of 22 or an ACT English score of 18 and an ACT math score of 22.
- Students with CPT scores less than 5 years old are not required to take the NCDAP, although it may be in the best interest of the student to take the new placement test to receive credit for some modules in the sequence. Placement using CPT scores is as follows:

| | |
|----------------------------------|--------------------------------|
| Arithmetic below 30 | BSP2000 (Continuing Education) |
| Arithmetic 30-54 | DMA010 |
| Arithmetic 55+ and Algebra <55 | DMA040 |
| Arithmetic 55+ and Algebra 55-74 | DMA060 |
| Arithmetic 55+ and Algebra 75+ | no DMAs required |

Delivery Options

1. Traditional (DMA): This course is a typical class. Students will have 20 days of “traditional” instruction with an instructor teaching and testing on the material. The modules appear on the schedule in the format DMA____(quarter)_____(section)_____. The letters A – D correspond to the quarter where “A” is the first 4 weeks of the semester, “B” is the second 4 weeks, etc.
Example: A student needing the sequence DMA010-DMA040 could sign up for
DMA010-A01
DMA020-B01
DMA030-C01
DMA040-D01
2. Customized Learning Shells (DMS): Shells are computer-based, customized learning classes designed for self-motivated students who are comfortable with technology and good at time management. Students learn the material by watching videos on the computer and completing computer-based assignments at their own pace. The instructor provides individual instruction and closely monitors student progress. When students finish a module, they can progress to the next required module. This allows for flexibility since students can move quickly through material that they are comfortable with and spend more time on the concepts that they find challenging. Students taking developmental math shells will register for DMS instead of DMA courses. Advisors enroll students in shells according to the number of DMA’s needed. Advisors do not need to indicate which DMAs the student needs as the math instructors define the shell in datatel.

Regardless of the module(s) needed:

One DMA module = DMS001

Two DMA modules = DMS002

Three DMA modules = DMS003

Four DMA modules = DMS003 + DMS001

NOTE: Financial aid will pay for a student to pass a class twice. To avoid financial aid issues always sign students up for DMS courses as noted above.

3. Online: This course is like a typical online class. Students are required to take the final exam on campus. Online and evening classes are Customized Learning (DMS) only.

Grades

A student mastering a DMA module earns a "P" and progresses to the next required module or curriculum math course. A student receiving an R or W will need to repeat the module. Developmental math shells are available for students needing to repeat coursework.

Financial Aid

Students need to sign up for all modules up front during early or late registration to be eligible for financial aid for the courses. The impact on each student is unique, so financial aid questions should be referred to the Financial Aid Office.

Census Date

Students must register and attend a DMA class prior to the census date, which is the second hour of class.

Cheat Sheet

Each semester advisors will receive a "cheat sheet" that lists available clusters. Students do not have to take the entire cluster, just the modules they need. Datatel codes are provided to expedite registration. Advisors register students assuming they will pass each module. If they fail or do not complete a module their schedule will be adjusted accordingly.

Questions

Contact a member of the math department:

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Regina Price 940- 6481 3-120

Bonnie Sadler 940- 6256 3-101

2017SU

| | Time | 1 st 4 weeks | 2 nd 4 weeks |
|--------|------|--|-------------------------|
| online | NET | DMS-001-A20 27412 DMS-002-A20 27414 | DMS-001-B20 27413 |

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| Time | Q1 | Q2 | Q3 | Q4 |
|----------------|--|--|--|----------------------------|
| 8 – 8:50 am | DMS-001-A01 27628 DMS-002-A01 27635 DMS-003-A01 27640 | DMS-001-B01 28152 DMS-003-B01 27643 | DMS-001-C01 28109 DMS-002-C01 27638 | DMS-001-D01 27632 |
| 1 – 1:50 pm | DMS-001-A02 28076 DMS-002-A02 27636 DMS-003-A02 27641 | DMS-001-B02 28155 DMS-003-B02 27644 | DMS-001-C02 28111 DMS-002-C02 27639 | DMS-001-D02 27633 |
| 11-11:50 am | 10 DMA-010-A03 27621 | 20 DMA-020-B03 27623 | 30 DMA-030-C03 27625 | 40 DMA-040-D03 27627 |
| online | DMS-001-A20 27629 DMS-002-A20 27637 DMS-003-A20 27642 | DMS-001-B20 27630 | DMS-001-C20 27631 | DMS-001-D20 27634 |