

Annual Assessment Findings
Department of Mathematics
B.A. and B.S. degree programs in Mathematics
AY 2015-16

Key Assessment Findings

In each student's senior year, we test his or her cumulative accomplishment in mathematics by a lengthy series of exams comprising the Comprehensive Exam. There are four one-week problem-solving tasks scheduled in the fall of the student's senior year. Then there is a two-hour written exam in the spring of the senior year which tests the student's capability with upper-level material in four subject areas: linear algebra, abstract algebra, real analysis and a fourth area selected in advance by the student.

There were seven seniors in 2015-16. In 2015-16, five students passed the comprehensive exam. One student withdrew, and one student did not pass.

Individual student's achievement of the program's goals is also evidenced in his or her performance on written final exams in courses.

The following table shows the course grade results for the five students who graduated in 2016. These courses were taken by them during their sophomore, junior and senior years.

	B+ or higher	C+ to B	C and C-	below C-
Math 248	2	2	0	0
Math 301	3	1	0	0
Math 321	5	0	0	0
Math 322	3	1	0	0
Math 421	2	2	0	1
Math 424	4	0	1	0

Notes:

(1) One student was in the Math/Secondary B.S. degree program and were not required to take Math 322.

(2) One student received transfer credit for Math 248, and one student received transfer credit for Math 301.

Each student's grades in these five courses indicate his or her accomplishment with regard to the goals of the program: (1) Specific content knowledge; (2) The ability to think conceptually and in generality in mathematics; (3) The ability to read, understand and create logical deductions in

mathematics, and to understand and write rigorous mathematical proofs; (4) The ability to solve mathematical problems.

The letter grades are in accord with CUA's interpretation of "A" (excellent), "B" (good), "C" (fair), "D" (lowest passing), "F" (failing).