

Annual Assessment Findings
Department of Mathematics
B.A. and B.S. degree programs in Mathematics
AY 2014-15

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 three seniors in 2014-15. **All three students passed the comprehensive exam.**

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 three students who graduated in 2015. 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	0	0	0
Math 301	3	0	0	0
Math 321	3	0	0	0
Math 322	1	0	0	0
Math 421	2	1	0	0
Math 424	3	0	0	0

Notes: One senior transferred Math 248 from another school. Two graduating seniors majored in Math/Secondary Education which does not require Math 322.

Each student's grades in these six 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" (satisfactory), "D" (lowest passing), "F" (failing).

There were no curricular changes to the major during 2014-15.