

QUEENS COLLEGE – DEPARTMENT OF MATHEMATICS
APPLIED MATHEMATICS OPTION

MAJOR CODE: MATH-BA
CONCENTRATION CODE: MATH-APPL

CONCENTRATION ADVISOR: Dr. Alexey Ovchinnikov
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Residency Requirement: At least **18** credits of these required and electives must be taken at Queens College.

Required Courses:

- (A) MATH 151 and 152 (or the equivalent)
- (B) MATH 201
- (C) MATH 202 or 207
- (D) MATH 231
- (E) MATH 241
- (F) CSCI 111 or MATH 250

Elective Courses: SIX math courses at the 200-, 300-, 600-, or 700-level (excluding Math 205, 218, 271, and 272).

Specialization Tracks: (Must pick one track)

1. Computer Science Track: 3 Computer Science courses numbered 211 or higher which carry 3 or more credits.
2. Economics Track: Econ 101, 102, 201 (or 226) and 202 (or 225)
3. Science Track: Any four courses that carry 3 or more credits from the following:
 - BIOL 105 and above
 - CHEM 113 and above
 - ENSCI 100 and ENSCI 112 and above
 - GEOL 101 and above
 - PHYS 145, 146, and PHYS 221 and above

The set of courses followed must form a meaningful concentration approved by the department.

4. Psychology Track: Psychology 101 and three Psychology courses numbered 214 or higher.
5. Operations Research Track: Three additional mathematics courses to make a total of nine elective courses; the nine courses must include MATH 247 (or 248), 623, and 633.
6. Custom Track: A series of courses making up a meaningful program in an area in which mathematics has significant application. This series must be approved by the department.