

Queen's University at Kingston

Department of Mathematics and Statistics

Orientation for First-Year Students

5 March 2007

Some important things to note:

1. STAT 251* and 261* will not be taught in 2007/08 or thereafter. These two courses have been replaced by STAT 268* and 269*. You may not take both STAT 263* and 268* but you may take STAT 263* and 269* although this is not recommended.
2. Under certain conditions some substitutions in the following lists of required courses are permitted: MATH 111 for 110; MATH 121 for 120; MATH 221* for 280*; and 232* for 231*.
3. In the BSCH Major in mathematics, the six required 200-level courses need not all be taken in the second year. For instance, a student who wants to take courses in mathematics and physics should consider taking physics courses in second year and deferring STAT 268* and 269*. As a second example, a student who wants to take courses in mathematics and economics should consider taking economics courses in second year and deferring MATH 210* and possibly 231*.
4. Students who would like advice about courses or programs should come to the Mathematics and Statistics office in Jeffery Hall and ask for Professor Nielsen.

Degree programs with a concentration in Mathematics or Statistics:

- BA MIN MATH
- BA MIN STAT
- BSC GEN MATH
- BSC GEN STAT
- BAH MED MATH XXXX¹
- BAH MED STAT XXXX²
- BSCH MED MATH XXXX³
- BSCH MED STAT XXXX⁴
- BSCH MAJ MATH

- BSCH SSP MATH
- BSCH SSP MAPH

- BAH MJM or BAH MJG
- BSCH MJM or BSCH MJG

¹Here XXXX is any arts or social science or humanities department.

²Here XXXX is any arts or social science or humanities department.

³Here XXXX is one of BIOL, CHEM, CISC, or PHYS.

⁴Here XXXX is one of BIOL, CISC, or PHYS.

BA Minor in Mathematics

- number of math/stat credits required to graduate: 5.0
- number of credits to required graduate: 15.0
- usual 100- and 200-level math/stat courses: 111, 121, 263*
- other recommended math/stat courses: 211, 221*, 232*, 239*, 268*, 269*

BA Minor in Statistics

- number of math/stat credits required to graduate: 5.0
- number of credits to required graduate: 15.0
- usual 100- and 200-level math/stat courses: 111, 121, 221*, 268*, 269*
- other recommended math/stat courses: 211, 232*, 239*

BSC General in Mathematics

- number of math/stat credits required to graduate: 5.0
- number of credits to required graduate: 15.0
- usual 100- and 200-level math/stat courses: 111, 121, 263*
- other recommended math/stat courses: 211, 221*, 232*, 239*, 268*, 269*

BSC General in Statistics

- number of math/stat credits required to graduate: 5.0
- number of credits to required graduate: 15.0
- usual 100- and 200-level math/stat courses: 111 or 112*, 121, 268*, 269*
- other recommended math/stat courses: 211, 232*, 239*

BAH Medial in Mathematics

- may be combined with any social science or humanities department
- number of math/stat credits required to graduate: 7.0
- number of credits to required graduate: 19.5
- usual 100- and 200-level math/stat courses: 110, 120, 211, 221*, 239*, 263*, 231* or 232*, 268*, 269*

BAH Medial in Statistics

- may be combined with any social science or humanities department
- number of math/stat credits required to graduate: 7.0
- number of credits to required graduate: 19.5
- usual 100- and 200-level math/stat courses: 110, 120, 221*, 281*, 268*, 269*

BSCH Medial in Mathematics

- may be combined with BIOL, CHEM, CISC, and PHYS; the course requirements vary depending on which department is selected
- number of math/stat credits required to graduate: 7.0
- number of credits to required graduate: 20.0
- usual 100- and 200-level math/stat courses: 110 (or 111), 120 (or 121), 210* or 211, 221* or 280*, 231* or 232*, 239* or 281*, 231* or 232*, 268*, 269*

BSCH Medial in Statistics

- may be combined with BIOL, CISC, PHYS; the course requirements vary depending on which department is selected
- number of math/stat credits required to graduate: 7.0
- number of credits to required graduate: 20.0
- usual 100- and 200-level math/stat courses: 110 (or 111), 120 (or 121), 221* or 280*, 239* or 281*, 231* or 232*, 268*, 269*

BSCH Major in Mathematics

- number of math/stat credits required to graduate: 10.0
- number of credits to required graduate: 20.0
- usual 100- and 200-level math/stat courses: 110, 120, 210*, 231*, 268*, 269*, 280*, 281*
- the 200-level courses need not all be taken in second year

The following 200-level courses will be taught in the 2007/08 academic year:

- **Full-year course**
 - MATH 211 Algebraic Methods
- **Fall term courses**
 - MATH 221* Vector Calculus
 - MATH 231* Differential Equations
 - MATH 239* Applied Mathematical Modeling
 - MATH 280* Advanced Calculus
 - STAT 263* Introduction to Statistics
 - STAT 268* Probability and Statistics I
- **Winter term courses**
 - MATH 210* Rings and Fields
 - MATH 232* Differential Equations
 - MATH 281* Introduction to Real Analysis
 - STAT 263* Introduction to Statistics
 - STAT 269* Probability and Statistics II