

## **The Mathematic Major from Fall 2006 onwards**

### **The Traditional Track:**

- MATH 121    Calculus I (formerly SMTH 111)
- MATH 122    Calculus II (formerly SMTH 112)
- MATH 223    Calculus III
- MATH 224    Calculus IV
- MATH 237    Discrete Structures (formerly SMTH 217)
- MATH 262    Linear Algebra (formerly SMTH 231)
- MATH 305    Differential Equations (formerly SMTH 220)
- MATH 416    Introduction to Analysis (formerly SMTH 311)
- MATH 432    Abstract Algebra (formerly SMTH 332)
- MATH 441    History of Mathematics
- CMPS 147    Computer Science I
- PHYS 114    Physics I with Calculus (lecture and lab)
- THREE Electives, two of which must be at the 300 level or above, from the following:
  - MATH 245    Numerical Analysis (formerly SMTH 265)
  - MATH 253    Probability (formerly SMTH 251)
  - MATH 282    Number Theory (formerly SMTH 223)
  - MATH 290    Topics
  - MATH 321    Geometry (formerly SMTH 341)
  - MATH 353    Statistics (formerly SMTH 351)
  - MATH 390    Advanced Topics (formerly SMTH 399)

### **The Teacher Education Track:**

- MATH 121    Calculus I (formerly SMTH 111)
- MATH 122    Calculus II (formerly SMTH 112)
- MATH 223    Calculus III
- MATH 224    Calculus IV
- MATH 237    Discrete Structures (formerly SMTH 217)
- MATH 253    Probability (formerly SMTH 251)
- MATH 262    Linear Algebra (formerly SMTH 231)
- MATH 282    Number Theory (formerly SMTH 223)
- MATH 321    Geometry (formerly SMTH 341)
- MATH 353    Statistics (formerly SMTH 351)
- MATH 416    Introduction to Analysis (formerly SMTH 311)
- MATH 432    Abstract Algebra (formerly SMTH 332)
- MATH 441    History of Mathematics
- CMPS 147    Computer Science I
- PHYS 114    Physics I with Calculus (lecture and lab)

Mathematics majors are encouraged to take more than the minimum requirements of the major and to study foreign languages.

### **Note**

The following mathematics courses used to be listed by the registrar's office for some time in the recent past with incorrect numbers. The mistakes have now been corrected:

MATH 223 Calculus III (incorrectly listed as MATH 123)

MATH 224 Calculus IV (incorrectly listed as MATH 124)

MATH 305 Differential Equations (incorrectly listed as MATH 350)

MATH 282 Number Theory (incorrectly listed as MATH 283)

### **The Mathematics Minor from Fall 2006 onwards**

MATH 121 Calculus I

MATH 122 Calculus II

MATH 237 Discrete Structures (formerly SMTH 217)

MATH 262 Linear Algebra (formerly SMTH 231)

Mathematics Elective (200 level or above)