The Registrar was notified of the typo below on the Major in Applied Mathematics checklist after the 2016-2017 catalog had gone to print. The addendum is in red.

Major in Applied Mathematics (MAPP.15)

Students must complete the department requirements:

- MATH 2230: Analytic Geometry and Calculus II (C- or higher)
- MATH 2240: Analytic Geometry and Calculus III (C- or higher)
- MATH 2310: Introduction to Advanced Mathematics (C- or higher)
- MATH 3650: Linear Algebra (C- or higher)

Students must complete the major requirements:

- MATH 3540: Differential Equations (C- or higher)
- MATH 4510: Mathematical Statistics (C- or higher)
- CSCI 1010: Computer Science I (C- or higher)

Students may choose from 1 of the following 2 options for completion of the upper-level requirement.

**Option 1**

- Take 4 credits from the following 3000-level courses:
  - MATH 3560: Discrete Structures (C- or higher)
  - MATH 3570: Numerical Analysis (C- or higher)
  - MATH 3580: Complex Variables (C- or higher)
  - MATH 3750: Approved Special Topics Course (C- or higher)

- Take 4 credits from the following 4000-level courses:
  - MATH 4630: Advanced Calculus (C- or higher)
  - MATH 4800: Graph Theory (C- or higher)
  - MATH 4750: Approved Special Topics Course (C- or higher)

**Option 2**

- Take 6 credits from the following 4000-level courses:
  - MATH 4630: Advanced Calculus (C- or higher)
  - MATH 4800: Graph Theory (C- or higher)
  - MATH 4750: Approved Special Topics Course (C- or higher)

Two additional courses from one department (either CHEM, GEOL, PHYS, or ECON), at the 2000 level or above, that use applications of mathematics is also required. The following courses fulfill this requirement:

- CHEM 3410: Physical Chemistry I (C- or higher)
- CHEM 3420: Physical Chemistry II (C- or higher)
- CHEM 3510: Chemometrics (C- or higher)
- GEOL 4200: Structural Geology (C- or higher)
- GEOL 4300: Environmental and Engineering Geophysics (C- or higher)
- GEOL 4350: Solid Earth Geophysics (C- or higher)
- PHYS 3000: Modern Physics (C- or higher)
- PHYS 3500: Classical Mechanics (C- or higher)
- PHYS 3510: Electromagnetism (C- or higher)
- PHYS 4100: Thermal Physics (C- or higher)
- PHYS 4200: Quantum Mechanics (C- or higher)
- ECON 3010: Economics: Intermediate Microeconomic Theory (C- or higher)
- ECON 3030: Econometrics and Applied Statistics (C- or higher)

Students must complete the senior seminar and the comprehensive exam in their major:

- MATH 4902: Senior Seminar I (C- or higher)
- MATH 4912: Senior Seminar II (C- or higher)