

In Spring 2016 after the 2015-2016 catalog had gone to print, it was noticed and brought to the Registrar's attention that the upper-level requirement of the Applied Math major was written incorrectly in the checklist. Some of the Physics course numbers were also wrong. 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 8 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:

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