

Air Force officers assigned to attend AFIT in order to obtain an advanced degree will also be required to qualify for a particular Air Force Academic Specialty Code (ASC). In some cases, this will require them to take additional courses. In the doctoral program, additional courses will normally not be needed. However, the master's program will usually require additional work. The available options and their academic specialty codes are:

- ***Analysis - 6BFY; Statistics - 6IAY; Numerical Analysis - 6GAY.***

Since the Master of Science (M. S.) program requires additional courses, we provide details here of the specific requirements for each of these options.

*Common to all Master of Science options in Applied Mathematics:*

- **Core: *STAT 537, STAT 696, MATH 601, and either MATH 600 or MATH 602.***
- **Specialty sequence (12hrs)**
- **Application sequence (8 hrs) taken out of the department**
- **Electives (16 hrs)**
- **Thesis (12 hrs)**

The student may then choose courses in his/her master's degree specialty sequence as follows:

*Analysis - 6BFY:*

Three courses selected from: ***MATH 604, MATH 605, MATH 607, MATH 611, MATH 621, MATH 631, MATH 633, MATH 672, MATH 674, MATH 676, MATH 678.***

*Statistics - 6IAY:*

***STAT 687, STAT 697, STAT 698*** (Reliability specialty) or choose three courses from: ***STAT 601, STAT 602, STAT 687, STAT 694, STAT 697, STAT 737.***

*Numerical Analysis - 6GAY:*

Three courses selected from: ***MATH 672, MATH 674, MATH 676, MATH 678.***