

# Applied Mathematics Major Checklist 2022-23

**DEPARTMENT CHAIR:** Dr. Rebecca L. Jayne, Morton Hall 028, (434) 223-6282

Please note that departmental contact is strongly recommended to further aid your academic planning. Irregularities in offerings do occur as a result of sabbaticals and medical leaves.

Applied Math majors must complete at least 10 courses.

## Applied MATH

Recommended for future engineers.

- \_\_\_\_\_ MATH 141
- \_\_\_\_\_ MATH 142
- \_\_\_\_\_ MATH 222 (spr)
- \_\_\_\_\_ COMS 261/271 (Complete before Jr. yr.)
- \_\_\_\_\_ MATH 231 (spr)
- \_\_\_\_\_ MATH 254 (spr)  
Formerly Math 252
- \_\_\_\_\_ MATH 242 (fall)
- \_\_\_\_\_ MATH 421 (fall/odd) Jr. or Sr. year
- \_\_\_\_\_ MATH \_\_\_\_\_  
(↑ 400-level)
- \_\_\_\_\_ MATH Elective \_\_\_\_\_  
(200-level or ↑)

Recommended yr 1

Recommended yr 2

COMS 262/272 may be substituted for the 200-level elective above.

### ❖ Recommended ❖

#### **Future Engineers:**

MATH 243, 342 & COMS 261/271

#### **Future Actuaries, Statisticians and MBAs:**

MATH 222, 331 & 422

### Information for Applied MATH majors:

- Applied MATH majors should plan several semesters ahead to ensure their ability to enroll in coursework ideal to their skills and interests. Students should consult with MATH faculty.
- Planning and executing study abroad experiences require MATH faculty consultation before and after such study.
- Majors are encouraged to participate in Math/COMS Club, Problem of the Month, the Math Colloquium Series, the Energy Research Group, and annual contests such as: VaTech Regional Math Contest, the national Putnam Exam in Mathematics, COMAP-MCM (a four-day international team competition where students clarify, analyze and propose solutions to an open-ended problem, culminating in a paper.
- Interested in working as a tutor for the MATH department to keep your skills sharp— See Prof. Strayer, Morton 026.
- Majors are also encouraged to participate in undergraduate research through summer research opportunities on campus and then after their junior year through REU (Research Experience for Undergraduates.)
- Suitably qualified students may pursue independent studies via 495 courses. Honors work may also be taken via 461-462- Honors in Mathematics.

### UNOFFICIAL FORM- OFFICE OF ACADEMIC SUCCESS.

Successful completion of the above items does not alone guarantee that graduation requirements have been met. Please see advisor.

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