Applied Mathematics Major Checklist

DEPARTMENT CHAIR: Dr. Brian Lins, Bagby 124, (434) 223-6264
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 } Recommended yr 1

_____ MATH 222 (spr)

_____ COMS 261 (Complete before Jr. yr.)

_____ MATH 231 (spr)
_____ MATH 252 (spr) } Recommended yr 2
_____ MATH 242 (fall)

_____ MATH 421 (fall/odd) Jr. or Sr. year

_____MATH _____
(↑ 400-level)

_____ MATH Elective _____
(200-level or ↑)

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

❖ **Recommended** ❖
Future Engineers:
MATH 243, 342 & COMS 261/262
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 Dr. Jayne.
- 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.

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Successful completion of the above items does not alone guarantee that graduation requirements have been met. Please see advisor.
Last updated 08/18