

Mathematics Major Checklist 2023-24

DEPARTMENT CHAIR: Dr. Brian Lins, Pauley 301 (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.

All Math majors are required to take at least 11 courses as listed below to complete the major requirements.

MATH ❖ Recommended for future MATH teachers. Future engineers may major in Math or Applied Math.

_____ MATH 141
 _____ MATH 142 } Recommended yr 1

_____ MATH 231 (spr)
 _____ MATH 242 (fall) } Recommended yr 2
 _____ MATH 254 (spr) Formerly MATH 252

_____ MATH 431 (fall/even)
 _____ MATH 441 (fall/odd) } Taken jr/sr yr
 Check offerings

_____ MATH _____ (200-level & ↑)
or COMS 261/271

_____ MATH _____ (200-level & ↑) } Interspersed
 btwn so-sr
 years based
 on interest &
 availability.

_____ MATH _____ (300-level & ↑)

_____ MATH _____ (300-level & ↑) /

❖ Recommended ❖

Future Engineers:

MATH 243, 342 & COMS 261/271

Future Actuaries, Statisticians & MBAs:

MATH 222, 331 & 422

Information for Math Majors:

- 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).
- Majors interested in working as a tutor for the MATH department to keep your skills sharp—See Dr. Pendergrass in Blake B, 003.
- 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.

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