

From: [Kwiek, Nicole](#)
To: [Smith, Randy](#); [Reed, Katie](#)
Cc: [Kroetz, Deanna](#); [Newman, Leslie](#)
Subject: Minor update to the BS Pharmaceutical Sciences curriculum
Date: Tuesday, June 2, 2026 1:58:38 PM
Attachments: [image001.png](#)

Dear Vice Provost Smith,

I am writing to share an update about the math requirements for our Bachelor of Science in Pharmaceutical Sciences (BSPS) program.

Beginning in Autumn 2026, we will implement the following curricular changes, which have been approved by our faculty:

- Precalculus (MATH 1150) will replace Calculus (MATH 1151) as the required math course for the BSPS degree. This evidence-based change reflects the mathematical competencies most directly applicable to pharmaceutical sciences coursework and better aligns the program's foundational requirements with student learning outcomes.
- Calculus will transition from a required course to an elective option within the Choice Sciences category. Students who have interests in research-intensive or graduate-level pathways will be strongly advised to select Calculus as part of their Choice Sciences selections.
- A newly approved course, Quantitative Foundations in Pharmaceutical Science (PHR 2314), will be required for students who place at or below the College Algebra level upon entry to the program. This course is designed to build the quantitative reasoning and mathematical skills necessary for success in precalculus and subsequent BSPS coursework.

Once we hear back from OAA on this matter, we will notify the Department of Mathematics of this change.

Please let me know if you have any questions or concerns.

Best,
Nicole

Cc: Katie Reed, Dean Deanna Kroetz, Assistant Dean Leslie Newman



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Pronouns: she/her/hers