



THE UNIVERSITY OF ARIZONA

COLLEGE OF SCIENCE
Molecular & Cellular Biology

1007 E Lowell St
Tucson, AZ 85721
Telephone: (520) 621-4342

MEMORANDUM

TO: Pamela Coonan

FROM: Molecular and Cellular Biology Department

DATE: 10/7/19

SUBJECT: Math Strand Update (MCBBS) for 2020-2021 Curriculum Updates

The department of Molecular and Cellular Biology feels that it is appropriate for our majors to take MATH 119A. MATH 119A is a math course using real examples drawn from biology, ecology, and physiology. We have deemed it a viable alternative to Calculus I.

The Math department has submitted the course for the M-Strand. As a result, we believe it is best for our students to have a custom M-Strand so that we can opt in to this course while still retaining Calculus I requirements.

We accept MATH 119A for the Calculus I requirement for the following degrees:

BS in Molecular and Cellular Biology (Sub-Plan: General MCB)

BS in Molecular and Cellular Biology (Sub-Plan: Genetics and Human Health)

BS in Molecular and Cellular Biology (Sub-Plan: Education and Communication)

We would like for these three degrees to have a custom M-Strand made of the following courses:

MATH 119A, MATH 122B, MATH 125, MATH 129, MATH 215, MATH 223, MATH 254, MATH 313

MATH 119A has significant overlap in content to prepare our students for the rigors of their coursework. These three majors do not require Calculus II.

Other majors on campus have comparable versions of a custom strand that includes Calculus I plus an additional course that is suitable for the major. These programs include Psychological Science, Nursing, Accounting, and Communication.

Thank you for your cooperation.

Joyce Schroeder, PhD
Department Head, Molecular and Cellular Biology

Elliot Cheu, PhD
Academic Dean, College of Science