

C - Small Curricular Revisions : Entry # 3553

Today's Date

09/10/2025

Your Name

Jenny Sharpe

Your Email:

jsharp1@highpoint.edu

Department Chair Name

Jenny Sharpe

Email address of your department chair

jsharp1@highpoint.edu

By checking below I am certifying that my department chair (named above) has seen and approved the courses that are included in this proposal.

Yes

Please select the appropriate school overseeing this proposal:

Engineering

Does this proposal correspond to a particular term?

Fall 2026

Course Prefix, Number, & Name

MTH 2350; MTH 4150; STS 4120; STS 3110

Does this course currently count towards Gen Ed curriculum?

No

Which category does this change fall under?

- Course prerequisite(s)

Course Prerequisite Changes

Course Prefix & Number	Current Prerequisite(s)	Proposed Prerequisite(s)
MTH 2350	MTH 1420 and either STS/CSC-1600 OR CSC-1705 OR CSC-1610	MTH 1420
MTH 4150	MTH 2410 and MTH 3150	MTH 3150 and either MTH 2350 or MTH 2410.

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Course Prefix & Number	Current Prerequisite(s)	Proposed Prerequisite(s)
STS 4120	MTH 2410 and MTH 3150	MTH 3150 and either MTH 2350 or MTH 2410.
STS 3110	STS 2910, STS 2920	STS 2910

Rationale for above changes

MTH 2350 rationale:

The course does not require any particular programming. We are removing the programming prerequisite to reflect this. (No LOs are affected.) The course description (below) has been slightly changed to remove references to programming in the final sentence. Additionally, given the significant overlap between this course and MTH 2310, MTH 2410, language has been added to clarify how credit should/shouldn't be assigned for these courses, if students take more than one.

MTH 2350 updated course description

A course covering topics in linear algebra and multivariable calculus that are important for advanced coursework in Data Analytics and Statistics. Linear algebra topics include vector/matrix operations, systems of equations, norms, linear independence, basis, change of basis, and eigenpairs. Multivariable calculus topics focus on functions of several variables and include partial derivatives, gradients, extrema, optimization, Lagrange multipliers, and multiple integration. This course emphasizes computation. Students may not receive credit for MTH 2350 if student has already received credit for MTH 2310 or MTH 2410.

Rationale for changes in MTH 4150 and STS 4120: Both of these courses currently require Calculus III (2410) and Probability (3150). Students who have taken MTH 2350 (Math for Data Analytics) will have seen sufficient multivariate calculus material to be ready for these classes. This prerequisite change makes that clear.

STS 3110 rationale:

(I think this update may have been submitted in a prior year, but we see it only on Student Planning and not in the Bulletin. I'm re-submitting, in case.)

Students taking STS 3110 (Intermediate Statistical Analysis) need a calculus-based introductory statistics course (STS 2910), but will not be required to know SAS programming in order to enroll in STS 3110. This is why we are removing the SAS programming class.

Does this change affect any other departments, schools, or programs besides your own? If so, please describe your consultation process with affected parties in the box below.

No other departments are affected.

Dean Review

Today's Date

14-09-2025

Name of Dean (if this is being reviewed by multiple deans, please indicate who approved it first here)

Michael Oudshoorn