Minor in Mathematics requirement checklist

This form is for your convenience and does not replace the bulletin.
Please complete this form for approval by a department adviser early in the semester of the expected graduation date; attach copies of emails approving transfers/substitutions/electives.

Personal information			
Last Name		Given name	
Preferred name		UNI	

☐ Columbia College   ☐ School of General Studies

☐ Dual degree program:

AP Credits

☐ 0 Credits
☐ 3 Credits: a score of 4 or 5 on the AP Calculus AB exam, a 4 on the AP Calculus BC exam, or a 6 on the IB Mathematics: analysis and approaches HL exam, upon completion of either Calculus 2 or Calculus 3 with a grade of C or higher.
☐ 6 Credits: a score of 5 on the AP Calculus BC exam or 7 on the IB Mathematics: analysis and approaches HL exam, upon completion of Calculus 3 or Accelerated Multivariable Calculus with a grade of C or higher.
☐ Other, explain:

Please verify AP credits are correctly registered in SSOL; otherwise consult with your CC/GS advisor. See Credit for Previous College-level work.

Placement

In some situations (see Placement) students may be allowed to place out of Calculus 1 and/or 2 without receiving matching AP or transfer credits. In this case the missing credits have to be replaced by an additional approved course(s) (e.g. Math UN2000). If applicable, explain:

For questions on AP, transfer and placement for Calculus and Linear Algebra courses, please consult the Calculus Director.

Multivariable Calculus and Linear algebra sequence

[MATH UN1202 *or* 1205] + [Math UN2010 *or* 2015]
or Honors Math A + Honors Math B

Code	Course name	Term	Grade

Electives

Code	Course name	Term	Grade

3 courses (at least 9 points) selected from: Courses offered by the Math department numbered 2000 or higher[1], and approved cognate courses for the Math major (maximum of one cognate course).

Transfer

If applicable, please enter here courses taken at another institution used to fulfill a minor requirement.
All transfers have to be approved by departmental advisor(s) (Calculus director for Calc/Linear algebra/ODEs).
For study abroad, consult your departmental advisor in advance of registration.
Please verify that transfer credits are correctly entered in SSOL, and check with you CC/GS advisor regarding transfer credit limits. A maximum of 6 transfer credits may be counted towards minor requirements.

Code	Course name	Institution	Term	Grade

Prerequisites

Prerequisites for the courses in (1) Multivariable calculus and (2) Linear Algebra are as follows:
- MATH UN1202 CALCULUS IV: requires MATH UN1102 CALCULUS II and MATH UN1201 CALCULUS III
- MATH UN1205 ACCELERATED MULTIVARIABLE CALC: requires MATH UN1101 CALCULUS I and MATH UN1102 CALCULUS II
- MATH UN2010 LINEAR ALGEBRA: MATH UN1201 CALCULUS III (strongly recommended)
- MATH UN2015 Linear Algebra and Probability: MATH UN1101 CALCULUS I (strongly recommended)

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1   Only one Undergraduate Seminar in Mathematics (MATH UN3951 UNDERGRADUATE SEMINARS I or MATH UN3952 UNDERGRADUATE SEMINARS II) may count towards the minor requirements.

Grading

No course with a grade of D or lower can count toward the minor, with the exception of: any sporadic exception allowed by the COI (P in any class in SP20; one P in F20, SP21, F21; two Ps in SP24).

Double-Counting

See [Departmental Major/double-counting](#). Calculus I to IV/Accelerated Multivariable Calc/Honors Math A-B/Stat 1201/COMS 1004 ('introductory courses') may be freely double-counted with another program (second major, or concentration/minor). In addition to these, a maximum of one course may be double-counted for the Math minor, subject to approval of all concerned departmental advisors (Math+department(s) offering the second program).
If applicable, record here a non-introductory course claimed for double-counting.

Code	Course name	Second program	Term	Grade

Additional comments and information (if needed)

Last revised: December 2024