

Computer Science-Math major requirement checklist

This form is for your convenience and does not replace the [bulletin](#).

Please complete this form for approval by a Math 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:			

Calculus 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](#).

Calculus 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.

Calculus and Linear algebra sequence¹

Calculus I + Calculus II + Calculus III + Calculus IV+ Linear Algebra
 or Calculus I + Calculus II + Accelerated Multivariable Calc + Linear Algebra
 or Calculus I + Calculus II + Honors Math A + Honors Math B

Code	Course name	Term	Grade

Undergraduate seminar

MATH UN3951 *or* MATH UN3952 Undergraduate seminar

Code	Course name	Term	Grade

Algebra requirement

MATH GU4041 Modern Algebra I

Code	Course name	Term	Grade

Computer science

(i) COMS W1004 *or* COMS W1007; (ii) COMS W3134 *or* 3137; (iii)-(vi) COMS W3157 *and* COMS W3203 *and* COMS W3261 *and* CSEE W3827

Code	Course name	Term	Grade

¹ 13-15 credits including AP credits

Electives

Two courses selected from:

COMS W4111, 4113, 4115, 4118, 4119, 4152, 4156, 4160, 4167, 4170, 4181, 4236, 4701, 4705, 4731, 4733, 4771; CSOR E4231, CBMF W4761, CSEE W4824, 4868;

MATH BC2006, MATH UN2030, 2500, 3007, 3020, 3025, 3028, 3386, MATH GU4032, 4042, 4051, 4053, 4061, 4062.

Code	Course name	Term	Grade

Transfer

If applicable, please enter here all courses taken at another institution used to fulfill a major requirement.

Up to three transfer courses are accepted toward the major. Calculus courses can be transferred in addition to the three course limit. Courses replaced by AP exams do not count towards the three course limit.

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.

Code	Course name	Institution	Term	Grade

Grading

No course with a grade of D or lower can count toward the major, with the exception of: a P for the first course taken in the major; 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 two courses may be double-counted, subject to approval of all concerned departmental advisors (Math+COMS+department(s) offering the second program).

If applicable, record here non-introductory courses claimed for double-counting.

Code	Course name	Second program	Term	Grade

Additional comments and information (if needed)

Last revised: September 2025