

Math-Stat major 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	<input type="text"/>	Given name	<input type="text"/>
Preferred name	<input type="text"/>	UNI	<input type="text"/>
<input type="checkbox"/> Columbia College		<input type="checkbox"/> School of General Studies	
<input type="checkbox"/> Dual degree program:	<input type="text"/>		

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.

Calculus and Linear algebra sequence

Calculus I + Calculus II + [Calculus III *or* Accelerated multivariable calculus] + Linear Algebra
or Honors Math A + Honors Math B

Code	Course name	Term	Grade
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Analysis requirement

Math UN2500 Analysis and Optimization

Code	Course name	Term	Grade
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Statistics sequence

Stat UN1201 + Stat GU4203 + Stat GU4204 + Stat GU4205

Code	Course name	Term	Grade
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<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Stochastics requirement

Stat GU 4207 *or* Stat GU 4262 *or* Stat GU 4264 *or* Stat GU 4265

Code	Course name	Term	Grade
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Computer Science requirement

COMS W1004 *or* COMS W1005 *or* ENGI E1006 *or* COMS W1007 *or* an approved advanced computer science offering in programming

Code	Course name	Term	Grade
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Electives

An approved selection of three advanced courses in mathematics, statistics, applied mathematics, industrial engineering and operations research, computer science, or approved mathematical methods courses in a quantitative discipline. At least one elective must be a Mathematics Department course numbered 3000 or above.

Code	Course name	Term	Grade

Transfer

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

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+Stat+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: December 2024