

Proposal to drop the GRE requirement for Mathematics Doctoral and Master's applications

Approved by the UK Mathematics Faculty on 13 October 2020

Submitted by Benjamin Braun, Director of Graduate Studies, benjamin.braun@uky.edu

This is a proposal for the UK Mathematics department to make the following changes to the admissions process for the Doctoral and Master's programs:

1. Drop the general GRE test as a requirement; applicants will have the option of providing GRE scores as part of their application
2. Include a mandatory statement of purpose from applicants

The proposed changes will be implemented as soon as the department receives approval from the Graduate School. For the 2020-2021 academic year, the UK Mathematics department has received a temporary waiver of the GRE requirement for applicants to graduate programs. Note that in May 2019, a proposal policy similar to this one was approved by the UK Biology Department¹ and the Graduate School.

We have five reasons to drop the GRE requirement for Mathematics applications:

1. Portions of the GRE have been shown to be biased: scores are skewed to the disadvantage of women, students from underrepresented minority groups in STEM (URMs), and students of lower socioeconomic status.
2. Evidence from multiple STEM graduate education studies collectively indicate that the GRE is not a good predictor of graduate student success.
3. In terms of cost and time, the GRE represents a disproportionate burden for less privileged, rural, and disabled students.
4. Many of our competitor programs have already or are in the process of dropping the GRE as a requirement, and so this is currently putting our program at a disadvantage.
5. The COVID-19 pandemic has caused many GRE offerings (especially GRE Subject tests) to be restricted or cancelled. While this is hopefully a short-term situation, it highlights the value of having a streamlined application process with a minimal number of required components.

In **Appendix 1**, data are provided supporting these points.

If this proposal is adopted, we would retain the ability for applicants who had taken the GRE to provide those scores. Note that GRE scores are still an element of competitions for add-on or fellowship funding at both the College of Arts and Sciences (Royster and Hahn Awards) and the Graduate School (LTJ). We believe these criteria are likely already impeding recruitment of

¹ Thanks to the UK Biology DGS for providing us with a copy of their proposal, on which this is modeled. Language approved by Biology regarding their statement of purpose can be found here: <https://bio.as.uky.edu/admissions-0>

excellent students to the University of Kentucky and will increasingly be a problem as more competing institutions move away from relying on the GRE. The Mathematics department will continue to nominate applications for these awards and will provide GRE scores if available, but we will make the case for other, more relevant measures of potential when such scores are lacking. We will make it clear on our math graduate program application requirements website² that students who want to be considered for these awards should submit their GRE scores. We recognize that some of our high quality admitted students who do not submit GRE scores may miss out because of our change in policy. We hope that does not occur. We nevertheless are convinced the benefits of this change to the quality of our program will be greater over the long run despite this risk.

If this policy is approved, the requirements for an application to a graduate program in the Mathematics department will be:

1. Transcripts from all higher education institutions attended and, in the case of domestic students, to self-report cumulative GPA's for each institution.
2. Application fee of \$65 for domestic applicants or \$75 for international applicants.
3. All applicants whose native language is not English will be asked to self-report TOEFL or IELTS scores (official scores must be sent directly to the graduate school).
4. Three letters of recommendation.
5. A curriculum vitae (CV) or resume.
6. A statement of purpose.

The deadlines for applications to math graduate programs are expected to remain the same:

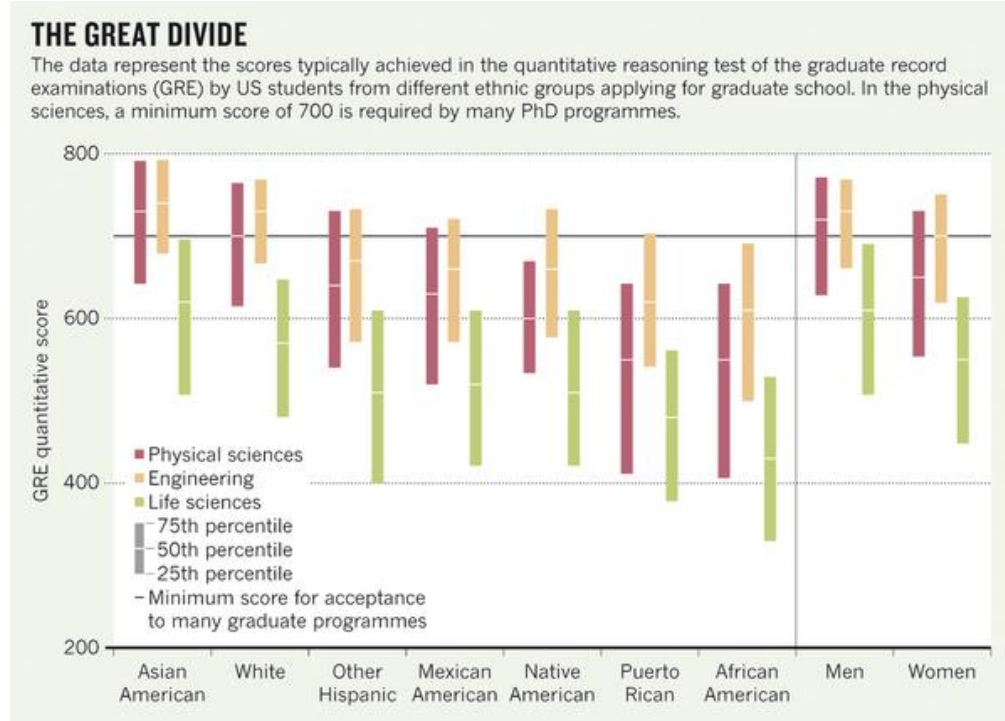
- International applications for admission and support **(15 January)**
- Domestic Applications for Fellowships **(15 January)**
- Review of application for teaching assistantships begins **(15 January)**
- Domestic Application for Teaching Assistantships (Final deadline) **(15 May)**
- Admission for fall semester **(20 July (approximate))**

² <https://math.as.uky.edu/applying-to-mathematics>

Appendix 1: Data supporting reasons to drop the GRE requirement

1. The GRE is biased.

- Data unequivocally demonstrate that GRE scores are skewed to the disadvantage of women, URM, and students of lower socioeconomic status (Miller and Stussun *Nature* 2014; <https://www.nature.com/articles/nj7504-303a>):



2. The GRE is not a good predictor of graduate student success.

- A growing body of evidence suggests that beyond a modest correlation between GRE scores and first year coursework, GRE scores do not correlate with graduate student outcomes. Recent research suggests this is true across the full range of GRE scores.
- References:
 - <https://www.biorxiv.org/content/10.1101/373225v1>
 - <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0166742>
 - <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0169121>
 - <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0206570>
 - <https://arxiv.org/abs/1803.00595>
 - <https://www.nature.com/articles/nj7504-303a>
 - <https://www.sciencemag.org/careers/2019/05/wave-graduate-programs-drop-gre-application-requirement>
 - For a summary of evidence on both sides see the following white paper from the University of Michigan PIBS program:

<https://docs.google.com/document/d/1fqKVFsvHBzi8y5yd5C6yOPTL9Kh97vV5cV8g1D1fdWs/mobilebasic>

3. The GRE requires significant expenditures of money, time, and effort

- Cost of exam: \$205 (includes submission to 4 schools; \$27/school thereafter), plus additional costs for test prep courses and/or retaking the exam.
- These costs are a disproportionate burden for less privileged, rural, and disabled students:
 - Students from rural areas incur additional travel expenses to testing centers.
 - Students with disabilities can incur additional costs and inconveniences to secure appropriate accommodations.

4. Many math graduate programs have made the GRE optional, and we can increase our applicant pool by having similar application requirements to other programs

- See the attached email to the AMS listserv, along with a printout of the spreadsheet that it references.

5. Dropping the GRE is likely to increase the size and diversity of our applicant pool

- Because fewer programs and fellowships require GREs, fewer students are taking them and are unlikely to do so just to apply to our program.
 - Between 2010 and 2015, NSF and NIH stopped requiring GREs for fellowships.
 - A growing number of mathematics programs have dropped the GRE. A crowdsourced list of requirements for math grad programs is attached to this document.
- In Biology, data reported by programs that have dropped the GRE indicate a pronounced increase in the size and diversity of applicant pool (anecdotally, without a decline in quality):
 - **University of Kansas MCB:** 31% increase in # of applicants after making GRE optional. 60% of applicants still submitted GRE scores.
 - **University of Michigan PIBS:** 45% increase in # of applications, with URMs increasing by the same amount. Only 27% submitted GREs.
 - **Johns Hopkins:** 45% increase in applicants and URM pool doubled. 36% of URMs and 51% of non-URMs submitted GREs. Mean GPA and quality (as evaluated by a holistic review) increased for interviewed pool.
 - **Georgia State Anthro:** number of applicants has almost doubled.
 - **Biomedical sciences (DGP) Northwestern:** overall applications increased 37%; URMs increased by 39%.
 - **Berkeley MCB:** # of applicants relatively unchanged, but 26% increase in URM applicants and 65% increase in URM admissions. 58% of applicants provided GREs; but only 43% of URMs provided GREs.



Ben Braun <braunuk@gmail.com>

[grad-directors] Math Graduate Programs and the GRE

2 messages

T. Christine Stevens <tcs@ams.org>
Reply-To: AMS Grad-Directors <GRAD-DIRECTORS@lists.ams.org>
To: GRAD-DIRECTORS@lists.ams.org

Wed, Aug 19, 2020 at 8:16 PM

Hello, Directors of Graduate Study,

As you probably know, some students have reported that the pandemic is making it difficult for them to take the GRE. As a result, their faculty advisors expressed an interest in identifying mathematics graduate programs that do not require the GRE.

It was recently brought to the AMS's attention that a graduate student at Brown University (Emily Winn Emily_winn@brown.edu) created a crowd-sourced document listing the graduate math programs that will **not** require the GRE (general or subject) for at least the application cycle of Fall 2021. You can find it at:
https://docs.google.com/spreadsheets/d/1hmdO7af3-ILvtJQO-szayG6bITvAYBQ1JcYXFZ_6apE/edit?fbclid=IwAR1bTXqFfuixombVdMwdyUuK-NuHYF3pfVJ5QZVCk9f9DNkXJeaP__kY4XQ#gid=0

I would be appreciate hearing your reaction to this document. Specifically:

1. Do you think the document is helpful to potential applicants?
2. Would you be interested in adding the information about your own graduate program to it?
3. Would it be helpful for the AMS to link to this document from its web pages aimed at students who are interested in applying to graduate school in the mathematical sciences (such as <http://www.ams.org/programs/students/findgradprograms/findgradprograms> or <https://www.ams.org/education/pre-grad>).

Thanks for your help!

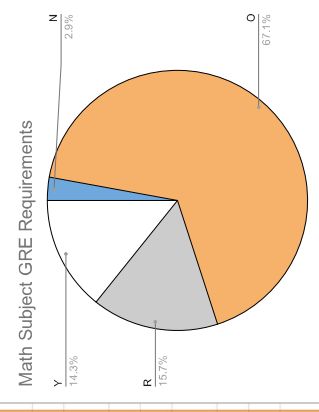
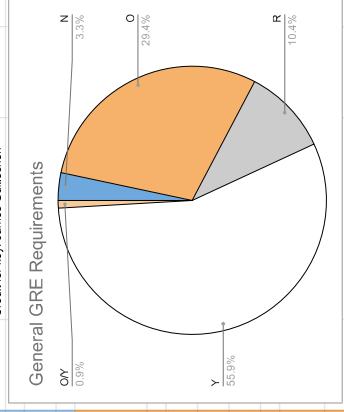
Chris Stevens

******UPDATE**** THE GRE SUBJECT TESTS HAVE BEEN CANCELLED FOR SEPTEMBER AND OCTOBER. THEY WERE ALREADY CANCELLED IN APRIL. GRADUATE PROGRAMS - PLEASE REMOVE THE REQUIREMENT AND UPDATE WEASAP. Source: <https://www.ets.org/s/grad/the-america/s/>**

The following is a list of graduate math programs which do not require the GRE (general or subject) for at least the application cycle of Fall 2021. List created by Emily Winn (email: emily_winn@brown.edu; Twitter: @EmilyWinn13). If you have additions or updates to this list, please comment on the spreadsheet, email me, or contact me on Twitter and it will be updated accordingly. Optional is placed into two categories: Optional, which means that applicants will not be penalized without a GRE score or with a "substandard" GRE score, but those who submit them may get a boost from a good score, and recommended, which means that applicants without a GRE score will be considered but the department strongly suggests you submit them anyway, and a box of score may hurt an application.

A note on USNWR rankings: US News and World Report Rankings of graduate programs are based on overall departments; there are plenty of quality departments that are unranked where you will be supported and funded through your master's or PhD. Where you choose to apply should include who you want to work with, what areas you want to specialize in, and whether the environment is healthy. Canadian schools are also left off USNWR.

University	USNWR Ranking	Department(s)	Gen. GRE	Math Subj. GRE	Temporary?	Source:	Program Website:	Additional Notes:
California Institute of Technology	Math: 9; Applied Math: 5	Mathematics	N	N	Fall 2021 Application Cycle	Mia de la Rayes (http://pma.uscivisons.caltech.edu/)	Normally, General GRE required, subject GRE strongly recommended for mathematics. Tweet in source overrides anything on website.	
Cornell University	13	Mathematics	N	N	Fall 2021 Application Cycle	https://math.cornell.edu/	Normally both required.	
Massachusetts Institute of Technology	Math: 2 Applied Math: 3	Mathematics	N	N	Fall 2021 Application Cycle	https://math.mit.edu/	Normally, "Optional but encouraged." Pure and applied math in same department	
Montana State University	144	Mathematical Sciences	N	N	No	http://www.math.montana.edu/	According to Prof. Britany Fasy, the message is "if you are proud of your scores, send them and they'll note that, but she's never seen them commented on in review committees."	
New York University	Math: 9; Applied math: 1	Mathematics	N	N	Fall 2021 Application Cycle	https://math.nyu.edu/	Normally both required.	
Rice University	26	Mathematics	N	N	No	https://math.rice.edu/		
Virginia Tech	62	Mathematics	N	N	Fall 2021 Application Cycle	https://www.math.vt.edu/		
West Virginia University	127	Mathematics	N	N	No	Dr. Jessica Deente (https://mathematics.wvu.edu/home)		
Brown University	4	Applied Mathematics	O	O	Fall 2021 Application Cycle	https://www.brown.edu/	Website not updated. Website. Subject scores highly recommended, quality of application hard to assess. She has not seen them in what it is's coable, especially if you're used in math or applied math.)	
Brown University	14	Mathematics and Statistics	O	O	No	https://www.brown.edu/	Master's degree required for admission to PhD program	
Concordia University		Mathematics and Statistics	O	O	No	https://www.concordia.ca/academic/math/	Subject GRE score useful for applicants from a non mathematics background	
Cornell University	16	Applied Mathematics	O	O	No	https://www.cornell.edu/math/	Normally, general required and subject recommended	
Duke University	16	Mathematics	O	O	Fall 2021 Application Cycle	Prof. Colleen Robble (https://math.duke.edu/)	Master's Programs only (no PhD offered)	
Georgetown University		Mathematics	O	O	No	https://mathstat.ges/	General GRE is required for Master's applicants, but not for PhD.	
Harvard University		Applied Mathematics	O	O	No	https://www.seas.harvard.edu/	Website not yet updated. Normally, US Citizens - Strongly recommended but not required. International students - strongly recommended, not required, helps processing application	
Kansas State University	94	Mathematics Mathematical Sciences	O	O	Fall 2021 Application Cycle	Prof. Sarah Rozickoff	Website not updated. Normally general and subject required	
Kent State University	108	Mathematics and Statistics	O	O	No	https://www.kent.edu/		
Johns Hopkins University	22	Mathematics and Statistics	O	O	Fall 2021 Application Cycle	Sabrina Raymond (Program Coordinator)		
Mcgill University		Mathematics	O	O	No	https://www.mcgill.ca/math/stat/		
Montclair State University		Mathematics	O	O	No	https://www.montclair.edu/math/		
North Carolina State University	53	Mathematics	O	O	Fall 2021 Application Cycle	https://math.ncsu.edu/	Mostly master's degree programs; there is a PhD program in mathematical education	
North Dakota State University		Mathematics	O	O	No	https://www.ndsu.edu/	Current cycle confirmed by Prof. Seth Sullivant; Department of Mathematics houses both the math and applied math PhD programs	
Ohio University	108	Mathematics	O	O	No	https://www.ohio.edu/	GRE scores useful if better than transcripts; applicants encouraged to submit if they leave them out. Website will be updated for Fall 2021. Please contact them from FAQ page regarding GRE scores. You may submit photocopies of PDF reports of GRE scores instead of originals, as long as the reports show your name, the date the test was taken, and all scores (verbal, quantitative, analytical writing, and subject). If you have any concerns, please reserve the right to request official scores if there is any concern about score validity.	
Oregon State University	74	Mathematics	O	O	Fall 2021 Application Cycle	https://math.oregonstate.edu/	GRE Policy will be reviewed Spring 2021	
Purdue University	26	Mathematics Applied and Computational Mathematics	O	O	Fall 2021 Application Cycle	https://gradschool.purdue.edu/math/	Normally both are required.	
Princeton University	7	Mathematics	O	O	Fall 2021 Application Cycle	https://www.math.princeton.edu/	Both optional but, "especially the subject test" according to website for this cycle.	
Queen's University	1	Mathematics and Statistics	O	O	No	https://www.queensu.ca/mathstat/home		



Key
 N = Not Considered
 O = Optional
 R = Recommended
 Y = Yes, required

Credit for key: James Gullechton

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University	USNWR Ranking	Department(s)	Gen. GRE	Math Subj. GRE	Temporary?	Source:	Program Website:	Additional Notes:
South Dakota State University	Math: 2, Applied Math: 8	Mathematics and Statistics	0	0	No	https://www.sdstate.edu/	https://www.sdstate.edu/math.htm	Important Notes: 1) Assistantships/Fellowships available but not guaranteed with admission. 2) must have a master's degree to apply to PhD program in Computational Science and Statistics. 3) APPLICATION FEES for the pandemic (https://www.sdstate.edu/graduate-school/admission-requirements) Normally the GRE general is optional but the GRE subject is required.
Stanford University		Mathematics	0	0	Application Cycle Fall 2021, At least Fall 2021, Fall 2022	https://www.math.stanford.edu/	https://www.math.stanford.edu/	GRE requirement removed from website following this announcement: https://grad.stanford.edu/news/Policy-Change_GRE.pdf
Stony Brook University	26	Mathematics	0	0	No	https://csa.sunysb.edu/	https://csa.sunysb.edu/mathematics/index.php	Mostly master's programs, only doctorate program is in mathematical education (GRE still optional)
Texas State University	74	Mathematics	0	0	No	https://www.gradco.texasstate.edu/	https://www.math.texasstate.edu/	
Tulane University		Mathematics	0	0	No	https://sse.tulane.edu/	https://sse.tulane.edu/math	
University of Alabama	108	Mathematical and Statistical Sciences	0	0	Application Cycle	https://math.ua.edu/	https://math.ua.edu/	Normally general required, subject test not admitted to master's program first.
University of Alberta		Mathematics	0	0	No	https://www.ualberta.ca/math/index.html	https://www.ualberta.ca/math/index.html	Applicants who are seeking a doctorate but do not have a Master's degree will first be admitted to the master's program
University of British Columbia	94	Mathematics	0	0	Spring/Fall 2021 Application Cycle	https://www.math.ubc.ca/	https://www.math.ubc.ca/	
University of Buffalo - SUNY		Mathematics	0	0	No	https://www.buffalo.edu/cas/math.html	https://www.buffalo.edu/cas/math.html	
University of Calgary		Mathematics and Statistics	0	0	No	https://science.ucalgary.ca/mathematics-statistics	https://science.ucalgary.ca/mathematics-statistics	
University of California at Berkeley	Math:2, Applied math: 6	Mathematics	0	0	Application Cycle	https://math.berkeley.edu/	https://math.berkeley.edu/	Normally both are required
University of California at Los Angeles	Math: 34	Mathematics	0	0	Fall 2021 Application Cycle	https://www.math.ucla.edu/	https://www.math.ucla.edu/	PHD programs in Applied math and Math are housed in same department. Normally both exams required
University of California at Santa Barbara	39	Mathematics	0	0	Application Cycle	https://math.ucsb.edu/	https://math.ucsb.edu/	
University of California at Santa Cruz		Applied Mathematics	0	0	No	https://www.grofield.com/department/informatics-mathematics	https://www.grofield.com/department/informatics-mathematics	
University of Chicago		Computational and Applied Mathematics	0	0	Application Cycle	https://com.uchicago.edu/	https://com.uchicago.edu/	Normally general required, subject recommended, Normally the general GRE is not required but the subject test is.
University of Chicago	6	Mathematics	0	0	Application Cycle	https://mathematics.uchicago.edu/	https://mathematics.uchicago.edu/	Will resubmit the GRE requirement again in Spring 2021 for future application cycles
University of Colorado Boulder	14	Applied Mathematics	0	0	Application Cycle	https://www.colorado.edu/math/	https://www.colorado.edu/math/	PHD's only offered in Applied math, must submit the subject GRE if you either do not have a bachelor's degree in math/applied math or you have not taken at least 12 hours of graduate level mathematics.
University of Colorado Denver	117	Mathematical Sciences and Statistics	0	0	No	https://math.ucdenver.edu/math/	https://math.ucdenver.edu/math/	Normally both are required
University of Illinois Urbana-Champaign	19	Mathematics	0	0	No	https://math.uiuc.edu/	https://math.uiuc.edu/	
University of Manitoba		Mathematics	0	0	No	https://www.math.umanitoba.ca/	https://www.math.umanitoba.ca/	
University of Michigan Brunswick	Math: 12, Applied Math: 11	Mathematics	0	0	Application Cycle	https://math.umich.edu/	https://math.umich.edu/	Applicants to PhD program need a master's degree
University of New Hampshire	101	Mathematics and Statistics	0	0	No	https://www.unh.edu/mathematics-statistics	https://www.unh.edu/mathematics-statistics	Do recommend that IF you choose to send GRE scores, send both general and subject tests
University of New Mexico	86	Mathematics and Statistics	0	0	No	https://math.unm.edu/	https://math.unm.edu/	Need a master's to apply to PhD program, but have option to fast track to PhD program once in the master's program
University of Ottawa		Mathematics	0	0	No	https://catalogue.uottawa.ca/math/	https://catalogue.uottawa.ca/math/	
University of Rhode Island	127	Mathematics	0	0	No	https://web.uri.edu/math/	https://web.uri.edu/math/	
University of Saskatchewan		Mathematics and Statistics	0	0	No	https://mathandscience.usask.ca/math/	https://mathandscience.usask.ca/math/	Website still needs updating, but from Prof. Andrew Trawick: "Both subject and general GREs will be optional, and you should not endanger your safety to take a GRE exam."
University of Texas at Austin	14	Mathematics	0	0	Fall 2021 Application Cycle	https://www.math.utexas.edu/	https://www.math.utexas.edu/	
University of Toledo		Mathematics and Statistics	0	0	No	https://www.u Toledo.edu/math/stat/	https://www.u Toledo.edu/math/stat/	
University of Toronto		Mathematics	0	0	No	https://www.math.toronto.edu/oms/	https://www.math.toronto.edu/oms/	
University of Vermont	117	Mathematics and Statistics	0	0	No	https://www.uvm.edu/cems/mathstat/mathematical_sciences	https://www.uvm.edu/cems/mathstat/mathematical_sciences	

Last Updated: August 27, 2020

Fall 2021 Application Cycle = Applications that are submitted in Fall 2020/Winter 2021 for beginning the program in Fall 2021

AMS Grad School Search site: <http://amsgradschoolsearch.org/>

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University	USNWR Ranking	Department(s)	Gen. GRE	Math Subj. GRE	Temporarity?	Source:	Program Website:	Additional Notes:
University of Victoria		Mathematics and Statistics	O	O	No	https://www.uvic.ca	https://www.uvic.ca/science/math/	PHD applicants usually need a Master's degree. Applicants to PhD program must have Master's degree.
University of Waterloo		Applied Mathematics	O	O	No	https://waterloo.ca	https://waterloo.ca/applied-math/	Applicants to PhD program must have Master's degree.
University of Windsor		Pure Mathematics and Statistics	O	O	No	https://waterloo.ca	https://waterloo.ca/math/	Applicants to PhD program must have Master's degree.
University of Wisconsin-Madison	16	Mathematics	O	O	Fall 2021 Application Cycle	https://www.wisc.edu	https://www.wisc.edu/math/	Website not updated. From Kathie Brohaugh, graduate coordinator: "Students will not be penalized for not having their scores this admission term."
Wayne State University	108	Mathematics	O	O	No	https://math.wayne.edu	https://math.wayne.edu/math/	Sending a good score can help your application. If you have GRE scores, they would like to see them.
Western University		Mathematics and Statistics	O	O	No	https://www.math.uwo.ca/	https://www.math.uwo.ca/	
York University of Toronto		Mathematics and Statistics	O	O	No	https://mathstats.yorku.ca/	https://mathstats.yorku.ca/	
George Mason University	117	Mathematics	R	O	No	https://science.gmu.edu	https://science.gmu.edu/academic/	General GRE strongly recommended because it affects eligibility for university fellowships
Lehigh University	101	Mathematics and Statistics	R	O	No	https://math.lehigh.edu/	https://math.lehigh.edu/	
Old Dominion University		Mathematics and Statistics	R	O	No	http://catalog.odu.edu	https://www.odu.edu/math/	
University of California at Merced	144	Applied Mathematics	R	O	Fall 2021 Application Cycle	https://appliedmath.ucmerced.edu/	https://appliedmath.ucmerced.edu/	Subject test only encouraged if 1) don't have a degree in mathematics related field 2) don't meet minimum GPA requirement (or 3) applicant is international student. General GRE waived for this cycle only (so far).
University of Washington Seattle	11	Applied Mathematics	R	O	No	https://math.wash.edu	https://math.washington.edu/	No mention of the subject GRE on the Website
University of Wisconsin-Milwaukee	108	Mathematical Sciences	R	O	No	https://www.uwm.edu	https://www.uwm.edu/math/	Master's Programs only (no PhD offered)
Western Illinois University		Mathematics	R	O	No	http://www.wiu.edu	http://www.wiu.edu/math/	
Tufts University	74	Mathematics	O	R	Fall 2021 Application Cycle	https://graduate.edtff.com/math-tufts.edu/graduate/	https://math.tufts.edu/	General GRE normally required. Strongly encourage website says that applications without are at a strong disadvantage. From DC Jingyi Zhu: If you are interested in pure math, then the GRE subject test can be an important factor when you compete with other strong applicants. It is hard to say in general how the lack of GRE subject test scores will affect your application. For international students such as recommendation letters and research experiences. We are in the process of developing some special consideration policy for this particular requirement during the pandemic."
University of Utah	34	Mathematics	O	R	No	https://www.math.utah.edu/	https://www.math.utah.edu/	Website: "Applications without the GRE mathematics subject score must be outstanding in all other respects to be considered." From Laura Wiloughby, administrator: "The Mathematics Department does not require the GRE for admission. It will not be a barrier to admission."
Brandeis University	47	Mathematics	R	R	No	https://math.msus.edu/	https://www.brandeis.edu/mathematics/	Website: "Applications without the GRE mathematics subject score must be outstanding in all other respects to be considered." From Laura Wiloughby, administrator: "The Mathematics Department does not require the GRE for admission. It will not be a barrier to admission."
Michigan State University	47	Mathematics	R	R	No	https://math.msus.edu/	https://www.brandeis.edu/mathematics/	Website: "Applications without the GRE mathematics subject score must be outstanding in all other respects to be considered." From Laura Wiloughby, administrator: "The Mathematics Department does not require the GRE for admission. It will not be a barrier to admission."
Northwestern University	22	Mathematics	R	R	No	https://www.math.uconn.edu	https://www.math.uconn.edu/graduate/	Website: "We are in the process of developing some special consideration policy for this particular requirement during the pandemic."
Simon Fraser University		Mathematics	R	R	No	https://www.sfu.ca/math.html	https://www.sfu.ca/math.html	Website: "We are in the process of developing some special consideration policy for this particular requirement during the pandemic."
Southern Illinois University Carbondale		Mathematics	R	R	No	https://gradschools.math.siu.edu/	https://gradschools.math.siu.edu/	Website: "We are in the process of developing some special consideration policy for this particular requirement during the pandemic."
University of Connecticut	71	Mathematics	R	R	No	https://math.uconn.edu	https://math.uconn.edu/	Website says that not submitting puts at disadvantage both for admission and consideration for TA position
University of Minnesota	Math: 19, Applied Math: 11	Mathematics	R	R	No	https://math.umn.edu	https://math.umn.edu/	Website says international students almost certainly won't be admitted without test
University of Oregon	55	Mathematics	R	R	No	https://math.uoregon.edu/graduate/	https://math.uoregon.edu/graduate/	From Mary C. Brown, Academic Program Assistant: "Your application will be considered and reviewed regardless of the inclusion of GRE (general or subject) scores. However, if you do submit a GRE (Math) Subject score, we will be able to decide on which students to admit. Due to the virus situation, it may be that students will not have access to GRE testing as in the past. That will also be taken into consideration."
University of Pittsburgh	55	Mathematics	R	R	No	https://www.math.pitt.edu/	https://www.math.pitt.edu/	
University of Tennessee Knoxville	74	Mathematics	R	R	No	https://www.math.utk.edu/	https://www.math.utk.edu/	

Last Updated: August 27, 2020

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AMS Grad School Search site: <http://amsgradschoolsearch.org>

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University	USNWR Ranking	Department(s)	Gen. GRE	Math Subj. GRE	Temporary?	Source:	Program Website:	Additional Notes:
University of Washington Seattle	26	Mathematics	R	R	Fall 2021 Application Cycle	https://math.washu.edu/	https://math.washington.edu/	Last Updated: August 27, 2020 Fall 2021 Application Cycle = Applications that are submitted in Fall 2020/Winter 2021 for beginning the program in Fall 2021 AMS Grad School Search site: http://ams.washington.edu/graduate
Washington State University	101	Mathematics	R	R	No	http://www.math.wsu.edu/	http://www.math.wsu.edu/	
Washington University of Saint Louis	34	Mathematics	R	R	No	https://math.wustl.edu/	https://math.wustl.edu/	
Wesleyan University	117	Mathematics	R	R	No	https://www.wesleyan.edu/math/index.html	https://www.wesleyan.edu/math/index.html	
Auburn University	94	Mathematics and Statistics	Y	O	No	http://www.auburn.edu/cosam/index.html	http://www.auburn.edu/cosam/index.html	No mention of subject GRE on website
Baylor University	117	Mathematics	Y	O	No	https://www.baylor.edu/math/	https://www.baylor.edu/math/	
Binghamton University	86	Mathematical Sciences	Y	O	No	https://www2.math.binghamton.edu/	https://www2.math.binghamton.edu/	
Bowling Green State University	86	Mathematics and Statistics	Y	O	No	https://www.bgsu.edu/arts-and-sciences/mathematical-sciences.html	https://www.bgsu.edu/arts-and-sciences/mathematical-sciences.html	Website makes no mention of the subject test. College is for women and gender-non conforming folks.
Bryn Mawr College		Mathematics	Y	O	No	https://www.brynmawr.edu/math/	https://www.brynmawr.edu/math/	
Case Western Reserve University	94	Mathematics. Applied Mathematics, and Statistics	Y	O	No	https://mathstats.case.edu/	https://mathstats.case.edu/	
Central Michigan University		Mathematics	Y	O	No	https://www.cmich.edu/colleges/se/math/degrees/default.aspx	https://www.cmich.edu/colleges/se/math/degrees/default.aspx	
Clemson Graduate University	86	Institute of Mathematical Sciences	Y	O	No	https://www.clemson.edu/instituteofmathematical-sciences/graduate/index.html	https://www.clemson.edu/instituteofmathematical-sciences/graduate/index.html	
Clemson University	94	Mathematical and Statistical Sciences	Y	O	No	https://www.clemson.edu/science/department/mathematical-sciences/graduate/index.html	https://www.clemson.edu/science/department/mathematical-sciences/graduate/index.html	
City University of New York (CUNY) Graduate Center	44	Mathematics	Y	O	Yes?	https://www.gc.cuny.edu/gre-cuny.edu/Pages/EI	https://www.gc.cuny.edu/gre-cuny.edu/Pages/EI	Website only says that the subject test requirement is 'suspended', there is no information as to how long
Cornell School of Mines	117	Applied Mathematics and Statistics	Y	O	No	https://ams.mines.edu/	https://ams.mines.edu/	
Columbia University	15	Applied Physics and Applied Mathematics	Y	O	No	https://apam.columbia.edu/applied-mathematics-overview	https://apam.columbia.edu/applied-mathematics-overview	
Delaware State University		Division of Physics, Engineering, Mathematics, and Computer Science	Y	O	No	https://cast.dsu.edu/	https://cast.dsu.edu/	Website makes no mention of subject test, presumed optional.
Drexel University	94	Mathematics	Y	O	No	https://drexel.edu/academic/department/mathematics/	https://drexel.edu/academic/department/mathematics/	
Emory University	55	Mathematics	Y	O	No	https://www.math.emory.edu/	https://www.math.emory.edu/	Will take self-reported scores until enrollment
Florida State University	74	Mathematics	Y	O	No	https://www.math.fsu.edu/	https://www.math.fsu.edu/	
Georgia State University	136	Mathematics and Statistics	Y	O	No	https://www.mathstat.gsu.edu/	https://www.mathstat.gsu.edu/	No statement on website of subject test, presumed optional
Georgia Washington University	101	Mathematics	Y	O	No	https://www.mathstat.gsu.edu/	https://www.mathstat.gsu.edu/	From website. While we do not require the exam, we encourage you to take it. We do not want to exclude applicants who choose to not take it --- all applications to our program receive full consideration. When deciding whether to take the GRE subject exam, please consider that it can help round out the information we gather from your letters of recommendation and transcripts, which are the primary basis for admission. No mention of test on website; info is from the graduate school admissions website.
Howard University	144	Mathematics	Y	O	No	https://www.mathematics.howard.edu/	https://www.mathematics.howard.edu/	GRE test requirement waived for master's degree applicants only.
Illinois Institute of Technology	127	Applied Mathematics	Y	O	Fall 2021 Application Cycle	https://www.iit.edu/	https://www.iit.edu/applied-math	Master's degree programs and Post bac programs only. Appears that Post Bac programs do NOT require the GRE
Iowa State University	68	Mathematics	Y	O	No	https://math.iastate.edu/	https://math.iastate.edu/	
Louisiana State University	66	Mathematics	Y	O	No	https://www.math.lsu.edu/	https://www.math.lsu.edu/	
Marquette University		Mathematical and Statistical Sciences	Y	O	No	https://www.marquette.edu/math/	https://www.marquette.edu/math/	Degrees in Computational math and statistical sciences, applied statistics, bioinformatics
Mississippi State University	144	Mathematics and Statistics	Y	O	No	https://www.math.msstate.edu/	https://www.math.msstate.edu/	GRE general not required for master's degree applicants
New Jersey Institute of Technology	101	Mathematical Sciences	Y	O	No	https://math.njit.edu/	https://math.njit.edu/	
New Mexico Institute of Mining and Technology		Mathematics	Y	O	No	https://www.nmt.edu/academic/	https://www.nmt.edu/academic/	Will accept unofficial scores. They don't require a master's degree but like prior thesis or research work, most programs in applied or computational mathematics
Northwestern University		Engineering Sciences and Applied Mathematics	Y	O	No	https://www.mcsom.northwestern.edu/	https://www.mcsom.northwestern.edu/	According to website, they only care about the quantitative score from the general GRE. No mention of the subject test at all.

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University	USNWR Ranking	Department(s)	Gen. GRE	Math Subj.	GRE	Temporary?	Source:	Program Website:	Additional Notes:
Northern Illinois University		Mathematical Sciences	Y	O	No	No	https://www.niu.edu	http://www.math.niu.edu/	
Oakland University		Mathematics and Statistics	Y	O	No	No	http://catalog.oakland.edu/math/	https://math.oakland.edu/math/	Says GRE "may be required." I don't know how to interpret that. Says GRE required "if available." Contact this program if you are interested but don't have a GRE score.
Oklahoma State University	94	Mathematics	Y	O	No	No	https://math.okstate.edu/	https://www.okstate.edu/math/okstate/	
Rice University		Computational and Applied Mathematics	Y	O	No	No	https://www.ceam.rice.edu/	https://www.ceam.rice.edu/	
Saint Louis University	136	Mathematics and Statistics	Y	O	No	No	https://catalog.slu.edu/math/stat/	https://mathstat.slu.edu/	
Southern Methodist University		Computational and Applied Mathematics	Y	O	No	No	https://grad.smu.edu/	https://www.smu.edu/Degrees/Academics/Departments/Math/Graduate	
Stony Brook		Applied Mathematics and Statistics	Y	O	No	No	https://www.stonybrook.edu/com	https://www.stonybrook.edu/com	General GRE waived for applicants to Master's degree programs for Fall 2021 Application Cycle. Otherwise, contact the department to request it. No mention of subject test on website, presumed optional.
Texas Tech University	108	Mathematics and Statistics	Y	O	No	No	https://www.depts.ttu.edu/math/	https://www.depts.ttu.edu/math/	
University of Alabama Birmingham	127	Mathematics	Y	O	No	No	https://www.uab.edu	https://www.uab.edu/cas/mathematics/	
University of Albany - SUNY	101	Mathematics	Y	O	No	No	https://www.albany.edu	https://www.albany.edu/math	
University of Arizona		Applied Mathematics	Y	O	No	No	https://grad.math.arizona.edu/	https://appliedmath.arizona.edu/	
University of Arkansas Fayetteville	117	Mathematical Sciences	Y	O	No	No	https://brightlight.uark.edu/math/departments/math/	https://math.uark.edu/	Mark Weber, Graduate Admissions: "Our admissions committee has decided that the Math Subject GRE will not be required this year's admissions cycle. You won't need to take the test to have a complete application."
University of California at San Diego	19	Mathematics	Y	O	Fall 2021	Application Cycle	http://math.ucsd.edu/	http://math.ucsd.edu/	
University of Central Florida	136	Mathematics	Y	O	No	No	https://sciences.ucf.edu/math/	https://sciences.ucf.edu/math/	
University of Colorado at Colorado Springs		Mathematics	Y	O	No	No	https://ucsc.edu/math	https://ucsc.edu/math/	
University of Hawaii at Manoa	127	Mathematics	Y	O	No	No	http://math.hawaii.edu/grad/admiss/	https://math.hawaii.edu/grad/admiss/	
University of Houston	86	Mathematics	Y	O	No	No	https://uh.edu/suny/	https://uh.edu/suny/math/	
University of Iowa	62	Mathematics	Y	O	No	No	https://math.uiowa.edu/	https://math.uiowa.edu/	
Applied Mathematics and Computational Sciences		Applied Mathematics and Computational Sciences	Y	O	No	No	https://www.amcs.uwoa.edu/	https://www.amcs.uwoa.edu/	
University of Kansas	66	Mathematics	Y	O	No	No	https://mathematics.ku.edu/	https://mathematics.ku.edu/	Prof Jeremy Martin, DGS: "We have never required the GRE Subject Test, although applicants can submit scores if they wish"
University of Kentucky	86	Mathematics	Y	O	No	No	https://www.uky.edu/math/as.uky.edu/	https://math.as.uky.edu/	
University of Louisiana at Lafayette		Mathematics	Y	O	No	No	https://gradschool.louisiana.edu/	https://math.louisiana.edu/	
University of Louisville	136	Mathematics	Y	O	No	No	https://louisville.edu/	https://louisville.edu/math	
University of Maryland at Baltimore County	117	Mathematics and Statistics	Y	O	No	No	https://gradschool.umbc.edu/	https://mathstat.umbc.edu/	
University of Maryland at College Park	22	Mathematics	Y	O	No	No	https://gradschool.umd.edu/graduate.html	https://www.math.umd.edu/graduate.html	
University of Memphis	127	Mathematical Sciences	Y	O	No	No	https://www.memph.edu/	https://www.memphis.edu/math/	Website makes note that they are willing to consider exceptions to some application requirements in light of the pandemic. Contact the program to learn more and if you are interested to see if you need it. No mention of subject test, presumed optional.
University of Miami	86	Mathematics	Y	O	No	No	https://www.math.miami.edu/	https://www.math.miami.edu/	
University of Mississippi	127	Mathematics and Statistics	Y	O	No	No	https://math.olemiss.edu/	https://math.olemiss.edu/	
University of Missouri in St. Louis	66	Mathematics	Y	O	No	No	http://www.umsrl.edu/math/stat/	http://www.umsrl.edu/math/stat/	
University of Missouri	144	Mathematical Sciences	Y	O	No	No	https://www.math.missouri.edu/	https://www.math.missouri.edu/	
University of Montana		Mathematics	Y	O	No	No	https://hs.umd.edu/math/graduate/default.php	https://hs.umd.edu/math/graduate/default.php	
University of Nebraska at Lincoln	66	Mathematics	Y	O	No	No	https://www.math.unl.edu/	https://www.math.unl.edu/	
University of North Carolina at Charlotte	108	Mathematics and Statistics	Y	O	No	No	https://math.uncc.edu/	https://math.uncc.edu/	Don't have to take GRE if have a PhD, JD, or MD in another area, or have a Masters degree and can produce a previous score
University of North Carolina at Greensboro		Mathematics	Y	O	No	No	https://mathstats.uncg.edu/	https://mathstats.uncg.edu/	

Need to confirm if any changes given announcement from https://grad.stonybrook.edu/news/Fall-to-Change_GRE.pdf

Website makes note that they are willing to consider exceptions to some application requirements in light of the pandemic. Contact the program to learn more and if you are interested to see if you need it. No mention of subject test, presumed optional.

Most graduate programs are applied math/statistics; there is also a form on the website for a free pre-application form to see if your background fits the program

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No mention of subject test on website, presumed optional.

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University of Notre Dame	39	Mathematics	Y	O	Fall 2021 Application Cycle	https://math.nd.edu/	https://math.nd.edu/graduate/	Prof Sam Evans (DGS) and Rachel Mendez (Graduate coordinator, "the GRE (subject test) is optional for only this application term." Normally highly recommended, and strongly suggest you provide a reason for not submitting subject score if you do not submit. Do not take the GRE admit plenty of postdocs. Do not take the GRE Subject test.
University of Oklahoma	74	Mathematics	Y	O	No	https://math.ou.edu/	https://math.ou.edu/	
University of South Carolina	86	Mathematics	Y	O	No	https://math.sc.edu/	https://math.sc.edu/colleges_schools/graduate/index.cfm	
University of Southern Mississippi		Mathematics and Natural Sciences	Y	O	No	http://math.usm.edu/	https://www.usm.edu/mathematics/	PhD in computational sciences, masters in mathematics
University of South Florida		Mathematics and Statistics	Y	O	No	http://math.usf.edu/	http://www.math.usf.edu/grad/	Applicants without GRE may be considered for unconditional admission if further review of their undergraduate transcript, recommendation letters, correspondence or direct interactions with mathematics faculty, and statement of professional or research interests indicates that they are qualified to enter the Doctoral Program without deficiency.
University of Texas at Arlington	136	Mathematics	Y	O	No	https://catalog.uta.edu/	https://www.uta.edu/math/index.cfm	
University of Texas at Austin	9	Computational Science, Engineering, and Mathematics	Y	O	No	https://www.odem.utexas.edu/	https://www.odem.utexas.edu/	
University of Texas at Dallas	117	Mathematical Sciences	Y	O	No	https://www.utdallas.edu/math/	https://www.utdallas.edu/math/	
University of Tulsa		Mathematics	Y	O	No	https://engineering.tulsa.edu/mathematics/	https://engineering.tulsa.edu/mathematics/	
University of Wyoming	127	Mathematics and Statistics	Y	O	No	http://www.uwyo.edu/mathstats/	http://www.uwyo.edu/mathstats/	
Utah State University	127	Mathematics and Statistics	Y	O	No	https://math.usu.edu/	https://math.usu.edu/	
Virginia Commonwealth University	144	Mathematics and Statistics	Y	O	No	https://www.vcu.edu/math/	https://www.vcu.edu/math/	No GRE requirement listed for master's programs; consult the program if interested
Wright State University		Mathematical Sciences	Y	O	No	https://science-mail.wright.edu/	https://science-mail.wright.edu/	
Florida Atlantic University		Mathematical Sciences	Y	R	No	http://www.math.fai.edu/	http://www.math.fai.edu/	Website - Submit score if you have it. Not having it is one less data point for the committee and may hurt the application.
Harvard University	2	Mathematics	Y	R	Fall 2021 Application Cycle	https://www.math.harvard.edu/	https://www.math.harvard.edu/	
Johns Hopkins University		Applied Mathematics and Statistics	Y	R	No	https://engineering.jhu.edu/jams/	https://engineering.jhu.edu/jams/	
Rutgers University at Newark	74	Mathematics and Computer Science	Y	R	No	https://sas.rutgers.edu/academ/	https://sas.rutgers.edu/academ/	PhD is joint program with NJIT
Stevens Institute of Technology	136	Mathematical Sciences	Y	R	No	https://www.stevens.edu/scholarship/school-engineering-science/departments/mathematical_sciences	https://www.stevens.edu/scholarship/school-engineering-science/departments/mathematical_sciences	May drop requirement for general GRE (TBD). Normally, general required and subject recommended
Syracuse University	74	Mathematics	Y	R	No	Graham Leishke (https://thecollege.syr.edu/math/)	https://thecollege.syr.edu/math/	"Test Waivers: An applicant who wishes to have certain admission requirements waived must contact the department directly. Requests are considered on a case-by-case basis. In some cases, an additional appeal to the Graduate School may be required. In such a case, the department makes a preliminary determination for the applicant and, if positive, issues a supporting letter to the Graduate School on the applicant's behalf."
Temple University	74	Mathematics	Y	R	No	https://www.math.temple.edu/	https://www.math.temple.edu/	
University of Cincinnati	108	Mathematical Sciences	Y	R	No	https://www.artsci.ucc.edu/departments/math.html	https://www.artsci.ucc.edu/departments/math.html	
University of Florida	62	Mathematics	Y	R	No	https://math.ufl.edu/	https://math.ufl.edu/	
University of Illinois at Chicago	39	Mathematics, Statistics and Computer Science	Y	R	No	https://mssc.uic.edu/	https://mssc.uic.edu/	Dr. Julie Ross says that the policy is currently being reconsidered after several inquiries for this cycle.
University of Maryland at College Park	13	Applied Mathematics/Statistics and Scientific Computation	Y	R	No	https://amsc.umd.edu/	https://amsc.umd.edu/	Website specifically highly recommends scores submitted, though the admissions site lists it as optional
University of Nevada at Las Vegas	136	Mathematical Sciences	Y	R	No	https://www.unlv.edu/math	https://www.unlv.edu/math	
University of Nevada at Reno		Mathematics and Statistics	Y	R	No	https://www.unr.edu/math	https://www.unr.edu/math	
University of North Carolina at Chapel Hill	34	Mathematics	Y	R	No	https://math.unc.edu/	https://math.unc.edu/	Prof. Jingfang Huang: "Are you interested in pure math or applied math? If you plan to study pure math, I strongly recommend you take the GRE math subject test."

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AMS Grad School Search site: <http://amsgradschoolsearch.org/>

<https://www.usm.edu/mathematics/>

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University of Pennsylvania		Applied Mathematics and Computational Sciences	Y	R	No	https://www.amcs.upei.ca/		
Yale University		Applied Mathematics	Y	R	No	https://applied.math.yale.edu/		
Ohio State University	26	Mathematics	O/Y	Y	Fall 2021 Application Cycle	https://math.osu.edu/		Domestic (American) students do not have to take the General GRE; international (non-American) students do. From Erin Anthony, Graduate Program Coordinator: "Applicants who are unable to submit test scores or do not feel safe taking GRE tests may request a waiver. Please email erin.a.thony@osu.edu to request a waiver. We will alternately submit a waiver request form with their application." https://math.osu.edu/gre-waiver-request
Portland State University		Mathematics and Statistics	O/Y	Y	No	https://www.pdx.edu/		
University of Massachusetts at Amherst	55	Mathematics and Statistics	R	Y	No	https://www.math.umass.edu/		
Boston College		Mathematics and Statistics	Y	Y	No	https://www.bc.edu/		
Boston University	47	Mathematics and Statistics	Y	Y	No	http://www.bu.edu/math/		
Brigham Young University	86	Mathematics	Y	Y	No	https://math.byu.edu/		
Cornell Mellon University	Math: 32; Applied math: 16	Mathematical Sciences	Y	Y	No	https://www.cmu.edu/		
Colorado State University	74	Mathematics	Y	Y	No	https://mathematics.colostate.edu/		
Columbia University	7	Mathematics	Y	Y	No	https://gsas.columbia.edu/		
Dartmouth College	53	Mathematics	Y	Y	No	https://math.dartmouth.edu/		
Georgia Tech	26	Mathematics	Y	Y	No	https://grad.gatech.edu/		
Indiana University Bloomington	34	Mathematics	Y	Y	No	https://math.indiana.edu/index.html		
New Mexico State University	117	Mathematics				https://math.nmsu.edu/		Website under construction; not clear what GRE requirements are. Contact department for more information.
Northeastern University	55	Mathematics	Y	Y	No	https://cos.northeastern.edu/math/		Subject test not required for master's degree applicants
Pennsylvania State University	32	Mathematics	Y	Y	No	https://math.psu.edu/		"For students whose ability to take GREs, or complete coursework, REUs, etc., has been negatively impacted by Covid, we have included a new 'Covid question' in the application form. Please answer this question so that the committee can understand your situation. If you are unable to take the GRE, or if you have had cancellations of your life, or unusual grades for Spring 2020, or if there were opportunities you had to miss because of Covid-related cancellations, etc. Although we are not officially waiving any requirements, our admissions process is holistic and the committee will take all these factors into account."
Rutgers University at New Brunswick	22	Mathematics	Y	Y	No	https://math.rutgers.edu/		
Texas A&M University	39	Mathematics	Y	Y	No	https://www.math.tamu.edu/		
Worcester Polytechnic Institute	101	Mathematical Sciences	Y	Y	No	https://www.wpi.edu/academics/bsc/mathematical-sciences-phd		
University of Arizona	47	Mathematics	Y	Y	No	https://www.math.u.arizona.edu/		
University of California at Irvine	39	Mathematics	Y	Y	No	https://www.math.uclark.edu/		
University of California at Los Angeles	Math: 7; Applied math: 2	Mathematics	Y	Y	No	https://www.math.ucla.edu/		
University of California at Santa Cruz	71	Mathematics	Y	Y	No	https://www.gradsci.math.ucsc.edu/index.html		
University of Colorado Boulder	47	Mathematics	Y	Y	No	https://www.colorado.edu/math/		
University of Delaware	74	Mathematical Sciences	Y	Y	No	https://www.mathsc.usdel.edu/		
University of Georgia	55	Mathematics	Y	Y	No	https://math.franklin.gsu.edu/		Can take a subject test in another area, although typically only applied math phd applicants do that

Last Updated: August 27, 2020
 Fall 2021 Application Cycle = Applications that are submitted in Fall 2020/Winter 2021, for beginning the program in Fall 2021

AMS Grad School Search site: <http://amsgradschoolsearch.org/>

****UPDATE**** THE GRE SUBJECT TESTS HAVE BEEN CANCELLED FOR SEPTEMBER AND OCTOBER. THEY WERE ALREADY CANCELLED IN APRIL. GRADUATE PROGRAMS - PLEASE REMOVE THE REQUIREMENT AND UPDATE ME ASAP. Source: https://www.sts.org/scv/grc/the-american/									
USNWR Ranking	Department(s)	Gen. GRE	Math Subj. GRE	Temporary?	Source:	Program Website:	Additional Notes:	Last Updated:	
16	Mathematics	Y	Y	No	https://www.math.ucla.edu/	https://www.math.upenn.edu/	In cases where it is impossible to take the exam in time and where we are told of the problem in advance, it may be possible to consider the application without test, but in this case it is especially important that the applicant's mathematical knowledge to be clear from the rest of the application.	August 27, 2020	
74	Mathematics	Y	Y	No	http://www.sas.rochester.edu/math/	http://www.sas.rochester.edu/math/	Subject test not required for master's degree applicants.	Fall 2021 Application Cycle = Applications that are submitted in Fall 2020/Winter 2021 for beginning the program in Fall 2021	
44	Mathematics	Y	Y	No	https://math.virginia.edu/	https://math.virginia.edu/			
47	Mathematics	Y	Y	No	https://sas.vanderbilt.edu/math/	https://sas.vanderbilt.edu/math/			
44	Mathematics	Y	Y	No	https://sas.vanderbilt.edu/math/	https://sas.vanderbilt.edu/math/			
9	Mathematics	Y	Y	No	https://gsas.yale.edu/	https://math.yale.edu/	Their own math website doesn't list admissions requirements but this information is from the general grad school website	AMS Grad School Search site: http://www.usnwr.com/	
<p>A note on USNWR rankings: US News and World Report Rankings of graduate programs are based on overall departments; there are plenty of quality departments that are unranked where you will be supported and funded through your master's or PhD. Where you choose to apply should include who you want to work with, what areas you want to specialize in, and whether the environment is healthy. Canadian schools are also left off USNWR.</p>									
<p>Another List with Math GRE Requirements, Including schools which require everything and USNWR Rankings (last updated late June 2020): https://docs.google.com/spreadsheets/d/1oMMAOXZChWVzTUP24Ro_gSNtEz-4H8yV8QvaxKd/edit#gid=3</p>									
Sources Regarding GRE Elimination:									
<p>Resource on eliminating the GRE and other admissions practices: https://beyondthegre.org/</p> <p>GRE limitations in predicting success in biomedical graduate school: https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0165752 (Is biomedical graduate school the same as mathematics graduate school? No. But this study is comprehensive and I'm still hunting for a similar study for mathematics.)</p> <p>GRE does not correlate with STEM PhD completion (https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0206570)</p> <p>Why dropping the GRE is good for the sake of the pandemic: https://www.sciencemag.org/careers/2020/06/graduate-programs-drop-gre-reflect-online-version-raises-concerns-about-fairness</p> <p>Equipment requirements to take the GRE at home during pandemic - it's a bit not accessible to most: https://www.vets.gov/gr/gr-at-home/equipment/</p> <p>General numbers about GRE exit: https://www.sciencemag.org/careers/2019/05/xaves-graduate-programs-drop-gre-application-requirement</p> <p>Blog post about differences in training PhD students in UK vs US (including, no GRE or equivalent exam for admission): https://academia.slackexchange.com/questions/465477-which-differences-are-there-between-master-lists-for-STEM-Programs-GRE-requirements: https://docs.google.com/spreadsheets/d/1RT-IT83V/M9gFwvMuBq-1p-XL-Fjhyact_pGstT30v9kms/edit#gid=0</p> <p>The Physics GRE does not help applicants "stand out", Young and Caballero: https://arxiv.org/abs/2008.10712</p>									