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:

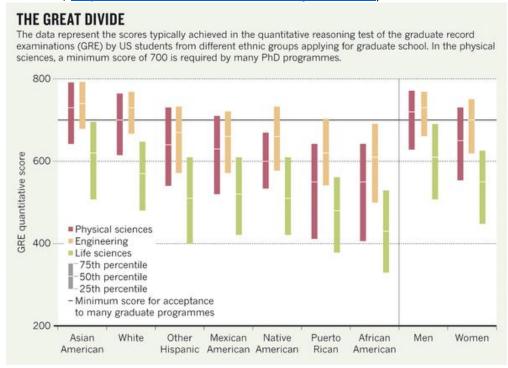
- International applications for admission and support (15 January)
- Domestic Applications for Fellowships (15 January)
- Review of application for teaching assistantships begins (15 January)
- Domestic Application for Teaching Assistantships (Final deadline) (15 May)
- Admission for fall semester (20 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, URMs, 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.016674
 2
 - https://journals.plos.org/plosone/article?id=10.1371/journal.pone.016912
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 - https://journals.plos.org/plosone/article?id=10.1371/journal.pone.020657
 0
 - https://arxiv.org/abs/1803.00595
 - https://www.nature.com/articles/nj7504-303a
 - https://www.sciencemag.org/careers/2019/05/wave-graduate-programsdrop-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.



[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-ILvtJQOszayG6bITvAYBQ1JcYXFZ 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

The following is gEmilyWinn13). If y leans that applican'	a list of graduate math	programs which do no potates to this list, pleas	ot require the G'	RE (general or sub the spreadsheet &	oject) for at least the	C II of of continuo continuo of E of E			
	ou nave additions or uf s will not be penalized (without a GRE score of GRE score will be cons	ir with a "substa	indard" GRE score department strong	email me, or contact b, but those who sub ly suggests you subi	a application cycle of rain a time on Twitter and it will be until them may get a boost I will them anyway, and lack	D21. List curated by Emily Wi e updated accordingly. Option from a good score; and recor of score may hurt an applica	The following is a list of graduate math programs which do not required by cashed visit with the application cycle of Fall 2021. List curade by Emily Winn (enait, emily, winnightown-actu, Twitter. (@EmilyWinnis), if you have additions or updates to this list, please comment on the spreadsheet, enait me, or contact me on Twitter and fivill be updated accordingly. Optional is placed into two categories: Optional, which means that applicants will not be penialized without a GRE score or with a Substantiator CRE score, but those who submit them may age to 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 lack of score may hurt an application.	Fall 2021 Application Cycles Applications that are submitted in Fall 2020/white 2021 for beginning the
note on USNWR r.	ankings: US News and S or PhD. Where you o	d World Report Ranking	gs of graduate programmers	programs are base	ed on overall departs.	ments; there are plenty of c	quality departments that are undeterment is heart	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 anoth 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 of USNWR.	AMS Grad School Search site: http://www.ams.
University	USWNR Ranking	Department(s)	Gen. GRE	Gen GRE Math Subj GRE	Temporary?	Source:	Program Website:	Additional Notes:	and harmanne lets idante (findaradaraar
California Institute of Technology	Math: 9; Applied Math: 5	Mathematics	z	z	Fall 2021 Application Cycle	Mia de lo Raves (ht http://	Fall 2021 Application Cycle Mia de Io Raves (ht http://oma.divisions.caltech.edu/r	Normally: General GRE required, subject GRE strongly recommended for mathematics. Tweet in source overrides anything on website.	Key N = Not Considered
Cornell University			z	z	Fall 2021 Application Cycle	Fall 2021 Application Cycle https://math.comell.edu/	/math.comell.edu/	Normally both required.	O = Optional
Massachusetts Institute of Technology	Math:		z	z	Fall 2021 Application Cycle	Fall 2021 Application Cycle https://math.mit.edu/index.php	/math.mit.edu/index.php	Normally "Optional but encouraged." Pure and applied math in same department	K = Recommended not required
Montana State University	144	Mathematical Sciences	z	z	2	http://www.math.mc.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.	Y = Yes, required
New York University	Math:	Mathematics	z	z	21 Cycle			Normally both required	Credit for key: James Guillochon
Rice University		Mathematics	z	z	8	https://math.rice.ed https://math.rice.edu/	//math.rice.edu/		
Virginia Tech West Virginia University	62	Mathematics	z z	zz	Fall 2021 Application Cycle No	https://www.math.v/ https://www.math.vt.edu. Dr. Jassica Deshler https://mathematics.www	https://www.math.yl https://www.math.yt.edu/ Dr. Jessica Destler https://mathematics.wvu edu/home		General GRE Requirements
Brown Inversity		Annlied Mathematics			2: C		Pirice //www/ Prown Hitman //www/ Prown and in Januarian	Website not updated. Website: Subject scores highly expendence and highly recommended, quality of application had to assess without (Note from Emily. 1 got in without it. It's doable, especially if you majored in maith or	0.9%
Brown University	- 41	Mathematics	0	0	ON			/math/	29.4%
Concordia University		Mathematics and Statistics	0	0	2	https://www.concon conco	https://www.concor concordia.ca/artsci/math-stats.htt	Master's degree required for admission to PhD program	
Cornell University	16	Applied Mathematics		0	8	https://www.cam.cc https:/		Subject GRE score useful for applicants from a non mathematics background	
Duke University	16	Mathematics		0	Fall 2021 Application Cycle	Fall 2021 Application Cycle Prof. Colleen Roble https://math.duke.edu/	/math.duke.edu/	Normally, general required and subject recommended	%B'GG
Georgetown University		Mathematics	0	0	8	https://mathstat.gec.https:	https://mathstat.gec.https://mathstat.georgetown.edu/	Master's Programs only (no PhD offered)	~
Harvard University		Applied Mathematics	0	0	2	https://www.seas.hr https:/	o https://www.seas.hr https://www.seas.harvard.edu/ap	General GRE is required for Master's applicants, but not for PhD.	10.4%
Kansas State University	ty 84	Mathematics	0	0	Fall 2021 Application Cycle	Prof. Sarah Reznikoff	Ntps://www.math.ksu.edu/gradug	Website not yet updated. Normally: US Citizens - Strongly recommended but not required; International sudents - strongly recommended, not required, helps processing application	Math Subject GRE Requirements
Kent State University	108	Mathematical Sciences	0	0	S	https://www.kent.eq.https://www.kent.edu/math	/www.kent.edu/math		
Johns Hopkins University	ify 22	Mathematics	0	0	Fall 2021 Application Cycle	Sabrina Raymond (Program Coordinator)	71	Website not updated. Normally general and subject required	14.3%
Mcgill University		Mathematics and Statistics	0	0	_S	https://www.mcgill.c https://www.mcgill.ca/mathstat/	/www.mcgill.ca/mathstat/		
Montclair State University	ity	Mathematics	0	0	8	https://www.montck.https:/	https://www.montek.https://www.montdair.edu/mathe	Mostly master's degree programs; there is a PhD program in mathematical education	R 15.7%
North Carolina State University	53	Mathematics	0	0	Fall 2021 Application Cycle	Fall 2021 Application Cycle https://math.sciences.ncsu.edu/		Current cycle confirmed by Prof. Seth Sullivant; Department of Mathematics houses both the math and applied math PhD programs	
North Dakota State University		Mathematics	0	0	2	https://www.ndsu.ei https://www.ndsu.edu/math/	//www.ndsu.edu/math/		
Ohio University	108	Mathematics	0	0	N _o	https://www.ohio.ec https://www.ohio.edu/cas/math		GRE scores useful if better than transcripts; applicants encouraged to submit if they have them	67.1%
Occass Posts Hairondia		Methoroceding	C	C	Fall 2021	Fall 2021		we weekelite proof infinio Saisander (DGS) says the requirement will be waived for all students soones. You may submit prom RAO page agrading of SE soones. You may submit pollocopies or PDF reports reports show your name, the date the less was reports show your name, the date the less was writing, and any delevant subject soones! We writing, and any relevant subject soones! We reserve the right to request official soones. There is no server the reserve the right to request official soones.	
Purdue University	74 74	Mathematics	0	0	Application cycle	https://www.math.p https://www.math.purdue.edu/	//www.math.purdue.edu/	GRE Policy will be reviewed Spring 2021	
Princeton University		Applied and Computational Mathematics	0	0	Fall 2021 Application Cycle	https://gradschool.g https:/	https://gradschool.g https://www.pacm.princeton.edu/	Normally both are required.	
	-	Mathematics	0	0	Fall 2021 Application Cycle	Fall 2021 Application Cycle https://www.math.p.math.princeton.edu	princeton edu	Both optional but "especially the subject test" according to website for this cycle.	
Queen's University		Mathematics and Statistics	0	0	No	https://www.queens https:/	https://www.queenshttps://www.queensu.ca/mathstat/home	ome	

	Last Updated: August 27, 2020	Fall 2021 Application Cycle = Applications that are submitted in Fall
****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.ets.org/sic/dreit/the-americas/	T. C.	@Emily bulbowing is a fast of graduate main floggains without addition to the expressible at the state of physical properties of the state of graduate main florate emily flowing flowing the wing the state of the s

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University	USWNR Ranking	USWNR Ranking Department(s) Gen. GRE Math Subj. GRE Temporary?	Gen. GRE	Math Subj. GR	E Temporary?	Source:	Program Website:	Additional Notes:		
South Dakota State University		Mathematics and Statistics	0	0	Š	https://www.sdstate_https	F THISS//WWw.sdstate httss://www.sdstate.edu/mathem	Importer notes; 1) Assamembase returning available but not guaranteed with admission. 1) The transfer of more transfer of the program in Computational Science and Statistics. 3) The Pre Cardetes covide is WANNO ALL. APPLICATION FEES for the pandemic (https://www.sdistateedu/gadduales-chool/admission-requirements).		
Stanford University	Math: 2; Applied Math: 8	Mathematics	0	0	Fall 2021 Application Cycle	https://mathematics.https		Normally the GRE general is optional but the GRE subject is required.		
Stony Brook	56	Mathematics	0	0	At least Fall 2021, Fall 2022 Application Cycles	http://www.math.stc http:		GRE requirement removed from website following this announcement: https://grad.stonybrook.edu/news/Policy-Change_GRE.pd		
Texas Christian University		Mathematics	0	0	Ŷ.	https://cse.tcu.edu// http://	https://cse.tcu.edu/i https://cse.tcu.edu/mathematics/index.php	dydysp		
Texas State University	47	Mathematics	0 0	0 0	o _N S	https://www.gradco_https://www.math.bstate.ed	ы	Mostly master's programs; only doctorate program is in mathematical education (GRE still optional)		
University of Alabama	: 01	Mathematics	0	0	Fall 2021 Application Cycle	https://math.ua.edu/https://math.ua.edu/	:://math.ua.edu/	Normally general required: subject test not		
University of Alberta		Mathematical and Statistical Sciences	0	0	S.	https://www.nalbert.https	https://www.ualbed.https://www.ualbeda.ca/mathem	Applicants without a masters degree will be admitted to master's program first.		
University of British Columbia		Mathematics	0	0	2 2	https://www.math.u.https://www.math.ubc.ca/	1//www.math.ubc.ca/	Applicants who are seeking a doctorate but do not have a Master's degree will first be admitted to the master's program.		
University at Buffalo- SUNY	26	Mathematics	0	0	Spring/Fall 2021 Application Cycle		http://www.buffalo.e http://www.buffalo.edu/cas/math.html			
University of Calgary		Mathematics and Statistics	0	0	N _O		https://science.ucal https://science.ucalgary.ca/mathematics-statistics	natics-statistics		
University of California at Berkeley	Math:2; Applied math: 6	Mathematics	0	0	Fall 2021 Application Cycle	https://math.berkele.https://math.berkelev.edu/	:://math.berkelev.edu/	Normally both are required		
University of California at Davis		Mathematics	0	0	Fall 2021 Application Cycle		edu/gr	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	Fall 2021 Application Cycle		://math.ucsb.edu/			
University of California at Santa Cruz		Applied Mathematics	0	0	N _O		https://www.gradad_https://www.soe.ucsc.edu/departments/applied-mathematics	ents/applied-mathematics		
University of Chicago		Computational and Applied Mathematics	0	0	Fall 2021 Application Cycle	https://cam.uchicag.https://cam.uchicago.edu/	s://cam.uchicago.edu/	Normally general required, subject recommended,		
University of Chicago	9	Mathematics	0	0	Fall 2021 Application Cycle		https://mathematics.https://mathematics.uchicago.edi	Normally the general GRE is not required but the subject test is.		
University of Colorado Boulder	14	Applied Mathematics	0	0	Fall 2021 Application Cycle		https://www.colorachttps://www.colorado.edu/amath/	Will reevaluate the GRE requirement again in Spring 2021 for future application cycles		
University of Colorado Denver	117	Mathematical Sciences and Statistics	0	0	⁰ Z		https://das.ucdenver.edu/mather	PhD's subje degre at le		
University of Illinois Urbana-Champaign	61	Mathematics	o	o	c Z	https://math.illinois.https://math.illinois.edu/	:://math.illinois.edu/			
University of Manitoba		Mathematics	0	0	o _N	https://www.math.u http:	https://www.math.u https://www.math.umanitoba.ca/			
University of Michigan	Math: 12; Applied Math: 11	Mathematics	0	0	Fall 2021 Application Cycle	https://lsa.umich.ed https://lsa.umich.edu/math	s://sa.umich.edu/math	Normally both are required		
University of New Brunswick		Mathematics and Statistics	0	0	N _O	https://www.unb.ca.httpi	s://www.unb.ca/fredericton/sg	https://www.unb.ca/https://www.unb.ca/fredericton/s/ Applicants to PhD program need a master's degree		
University of New Hampshire	101	Mathematics and Statistics	0	0	å	https://ceps.unh.edi.https	https://ceps.unh.ed/ https://ceps.unh.edu/mathematics-statistics	statistics		
University of New Mexico		Mathematics and Statistics	0	0	8	https://math.unm.echttps://math.unm.edu/	s://math.unm.edu/	Do recommend that IF you choose to send GRE scores, send both general and subject tests		
University of Ottawa		Mathematics and Statistics	0	0	N _O	https://catalogue.uc.http:	Ittps://catalogue.uc https://science.uottawa.ca/maths	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 Rhode Island	127	Mathematics	0	0	N _O	https://web.uri.edu/i http://www.math.uri.edu/	//www.math.uri.edu/			
University of Saskatchewan		Mathematics and Statistics	0	0	N N	https://artsandscien.http:	https://artsandscien_https://artsandscience.usask.ca/math/	ath/		
University of Texas at Austin	4	Mathematics	0	0	Fall 2021 Application Cycle	https://www.ma.ute https://www.ma.utexas.edu/		Website still needs updating, but from Prof. Andrew Tawfeek, "Both subject and general GREs will be optional, and you should not endanger your safety to take a GRE exam."		
University of Toledo		Mathematics and Statistics	0	0	ON.	https://www.utoledc.https	https://www.utoledg.https://www.utoledo.edu/nsm/mathstats/	lstats/		
University of Toronto		Mathematics	0	0	o _N	https://www.math.tc.http.	https://www.math.tc https://www.math.toronto.edu/cms/	R		
University of Vermont	117	Mathematics and Statistics	С	0	S	https://www.nym.ec.https	sqtem/smed/libe mmi marthe	https://www.nym.ochthos.//www.nym.odu//soms/mathetat/obd_mathematical_colores		

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TOWNS TRAINED CONTRICTORY CONT	The following is a list @EmilyWinn13). If you hav means that applicants will r	of graduate math ve additions or up not be penalized	programs which do not r dates to this list, please c without a GRE score or w 3RE score will be conside	require the G. comment on (vith a "substar ared but the o	RE (general or su the spreadsheet, · ndard" GRE score lepartment strong	ibject) for at least the email me, or contact 9, but those who sut ity suggests you sub	ne application cycle of Fall 2021. List curated by Er. ct me on Twitter and it will be updated accordingly. buint them may get a boost from a good score; and bmit them anyway, and lack of score may hurt an ar	nily Winn (emai: emily_winn@brown.edu; Twitter: Optional is placed into two categories: Optional, which I recommended, which means that applicants without a spplication.	Fall 2021 Application Cycle = Applications that are submitted in Fall 2020Winter 2021 for beginning the	
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Manufacture Control Final Deck Trapport Security Programment Control Programment P	A note on USNWR ranking through your master's or P.	igs: US News an hD. Where you c	1 World Report Rankings hoose to apply should inc	of graduate political	programs are bas a want to work with	ed on overall depart th, what areas you w	rtments; there are plenty of quality departments tha want to specialize in, and whether the environment	nt are unranked where you will be supported and funded t is healthy. Canadian schools are also left off USNWR.	/www.ams.	
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Applied Mathematics O O No Interclusional Control Cont	University of Victoria		Mathematics and Statistics	0	0	No	https://www.uvic.ca https://www.uvic.ca/science/			
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109 Mathematics	University of Wisconsin- Madison	16	Mathematics	0	0	Fall 2021 Application Cycle		graudate coordinator. "Students will not be penalized for not having their scores this admission term.		
	Wayne State University	108	Mathematics	0	0	No				
Mathematics	Western University		Mathematics	0	0	o _N	https://www.math.u https://www.math.uwo.ca/			
117 Methematics R	York University of Toronto		Mathematics and Statistics	0	0	o _N	https://futurestuden.https://mathstats.info.vorku.c	/es.		
Mathematics R R No https://www.https://www		177			(1				
Mathematics and R	George Mason University	101	Mathematics	rα	o c	2 2	https://math.cas.leh.https://math.cas.leh.inh.https://math.cas.leh.https://math.cas.leh.https://math.cas.leh.inh.edu.i			
To Applied Methematics R O Application Cycle introst/importantinh intros	Old Dominion University		Mathematics and Statistics	: 02	0	2 2	http://catalog.odu.e https://www.odu.edu/math			
11	University of California at	44	Annlied Mathematics	Ω	c	Fall 2021				
106	University of Washington	<u> </u>	Applied Mathematics	: 0) (ON ON				
No interview was placed in the submerced of Rel 2021 Application Oycle https://www.machulentics.new.new.neth.cetu/cachunentics.new.new.neth.cetu/cachunentics.neth.cetu/cachunentics.	University of Wisconsin-	= 9	Mathematical	£ () (2 :				
Nathematics O R No https://www.brandom.brinds.htmlh.ht	Mestern Illinois Iniversity	108	Sciences	χ α	0 0	2 Z	https://www.vdii.edu/math/			
Nathematics O R No https://math.ufls.edu/gradueradus/nath.gradueradus/na			2000	4	>	Fall 2021				
Mathematics R R No https://www.nath.ui https://www.nath.uith.edu/ https://www.nath.uith.edu/ https://www.nath.northwasten 22 Mathematics R R No https://www.nath.northwasten Mathematics R R No https://www.nath.northwasten Math. 19 Appled Mathematics R R No https://math.ucom.ptips://math.ucom.pdu/ Math. 11 Mathematics R R No https://math.ucom.ptips://math.ucom.pdu/ Math. 11 No https://math.ucom.ptips://math.ucom.ptips://math.ucom.pdu/ Math. 11 No https://math.ucom.ptips://math.ucom.ptips://math.ucom.pdu/ Math. 11 No https://math.ucom.ptips://math.ucom.ptips://math.ucom.pdu/ Math. 11 No https://math.ucom.ptips://math.ucom.ptips://www.mathematics.pdu/ S5 Mathematics R R No https://www.mathematics.pdu/ S5 Mathematics R R No https://www.mathematics.pdu/ S6 Mathematics R R R No https://www.mathematics.pdu/ S6 Mathematics.pdu/ S6 Mathematics.pdu/ S6 Mathematics.pdu/ S6 Mathematics.pdu/ S6 Mathematic	Tuffs University	74	Mathematics	0	œ	Application Cycle		ate/in General GRE normally required.		
Mathematics R R No https://www.brande https://www.brande https://www.brandes.actu/math. 22 Mathematics R R No https://math.msu.ectu/ Mathematics R R No https://math.msu.ectu/ Mathematics R R No https://math.msu.ectu/ Mathematics R R No https://math.umu.es https://math.um.ectu/ Math. 11 Mathematics R R No https://www.mathematics.math.um.ectu/ Math. 11 Mathematics R R No https://www.mathematics.nath.um.ectu/ Math. 12 Mathematics R R No https://www.mathematics.nath.um.ectu/ Math. 14 Mathematics R R No https://www.mathematics.nath.um.ectu/ Math. 15 Mathematics R R No https://www.mathematics.nath.um.ectu/ Math. 16 Mathematics R R No https://www.mathematics.nath.um.ectu/ Math. 17 Mathematics R R No https://www.mathematics.nath.um.ectu/ Math. 18 Mathematics R R No https://www.mathematics.nath.um.ectu/ Math. 19 Mathematics R R R No https://www.mathematics.nath.um.ectu/ Math. 19 Mathematics R R R No https://www.mathematics.nath.um.ectu/ Math. 19 Math.	University of Ulah	8	Mathematics	0	œ	Š	https://www.nath.u.https://www.nath.utah.edu	Strongly encourage, weekle says that applications without are at a strong disadvantage. From Dr. Jingy Zhru, If you are interested in pure math, then the GRE subject test can be an important factor when you comprete with more strong applicants. It is hard to say in general how the lack of GRE subject test can be a barrier as it can depend on your other coedentials such as recommendation between and research experiences. We are in the process of developing some special consideration pulsay for this particular equirement during the pandemic.		
Mathematics R R No https://math.msu.ec/ https://math.msu.ec/u/ Mathematics R R No https://www.math.northwestern Mathematics R R No https://www.math.northwestern T1 Mathematics R R No https://math.uronn.https://math.uronn.ec/u/ Math: 11 Mathematics R R No https://math.uronn.https://math.uronn.ec/u/ Math: 11 Mathematics R R No https://math.urong.https://math.urong.edu/grads 55 Mathematics R R No https://math.urong.https://math.urong.edu/grads 55 Mathematics R R No https://www.mathematics.edu/grads 56 Mathematics R R No https://www.mathematics.edu/grads 57 Mathematics R R No https://www.mathematics.edu/grads 58 Mathematics R R No https://www.mathematics.edu/grads 59 Mathematics R R R No https://www.mathematics.edu/grads 50 Mathematics R R R No https://www.mathematics.edu/grads 51 Mathematics R R R No https://www.mathematics.edu/grads 52 Mathematics R R R No https://www.mathematics.edu/grads 54 Mathematics R R R No https://www.mathematics.edu/grads 55 Mathematics R R R No https://www.mathematics.edu/grads 56 Mathematics R R R No https://www.mathematics.edu/grads 57 Mathematics R R R No https://www.mathematics.edu/grads 58 Mathematics R R R No https://www.mathematics.edu/grads 59 Mathematics R R R No https://www.mathematics.edu/grads 50 Mathematics R R R No https://www.mathematics.edu/grads 51 Mathematics R R R No https://www.mathematics.edu/grads 52 Mathematics R R R No https://www.mathematics.edu/grads 53 Mathematics R R R R No https://www.mathematics.edu/grads 54 Mathematics R R R R No https://www.mathematics.edu/grads 55 Mathematics R R R R No https://www.mathematics.edu/grads 56 Mathematics R R R R R R R R R R R R R R R R R R R	Brandeis University	47	Mathematics	œ	œ	No	https://www.brande.https://www.brandeis.edu/m.	athematics/		
Mathematics R R No https://www.math.nochwestern R R No https://www.math.nochwestern R R No https://www.math.nochwestern R R No https://math.unon.cdu/ Math: 19. Applied Mathematics R R No https://math.unon.cdu/ Math: 11 Mathematics R R No https://math.unon.cdu/ Math: 12 Mathematics R R No https://math.unon.cdu/ Math: 12 Mathematics R R No https://math.unon.cdu/ Mathematics R R No https://math.unon.cdu/ Mathematics R R No https://math.unon.cdu/ Mathematics R R No https://www.mathematics.duca.	Michigan State University	47	Mathematics	œ	ď	°Z	https://math.msu.eq.https://math.msu.edu/	Website: "Applications without the GRE mathematics subject soors must be outstanding in all other respects to be considered." From Laura Willoughby, administrator: The Mathematics Department does not require the GRE for admissions, it will not be a barner to admission."		
Mathematics R R No https://www.stucain.html Mathematics R R No https://math.ucono.https://math.ucono.dedu/ Math: 19 Applied Mathematics R R No https://math.ucono.https://math.ucono.dedu/ Math: 11 Mathematics R R No https://math.ucono.https://math.ucono.dedu/ Math: 11 Mathematics R R No https://math.ucono.dedu/ S5 Mathematics R R No https://math.ucono.dedu/grade S5 Mathematics R R No https://www.mathematics.detu/ D1	Northwestern University	33	Mathematics	œ	α	Ç	hites//www.mah.n hites//www.math.noritweste			
Mathematics R R No https://math.urono.intps://math.urono.intps://math.urono.cdu/ Math: 19 Applied Mathematics R R No https://math.urono.intps://math.urono.cdu/ Mathematics R R No https://math.urono.intps://math.urono.cdu/ 55 Mathematics R R No https://www.mathematics.ordu/ 25 Mathematics R R No https://www.mathematics.ordu/ 27 Mathematics R R No https://www.mathematics.ordu/ 27 Mathematics R R No https://www.mathematics.ordu/	Simon Fraser University		Mathematics	œ	œ	N N	http://www.sfu.ca/m http://www.sfu.ca/math.html			
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Math: 11 Anthematics R R No https://math.unn.edu/. Math: 11 No https://math.unn.edu/. S5 Mathematics R R No https://www.mathematics.pdt.		71	Mathematics	œ	œ	°Z	https://math.uconn, https://math.uconn.edu/	Website says that not submitting puts at disadvantage both for admission and consideration for TA position		
55 Mathematics R R No https://www.mather https://www.mather https://www.mather https://www.matherates.pdt.c		lath: 19; Applied Math: 11	Mathematics	œ	œ	2	https://math.umn.eg https://math.umn.edu/	Website says international students almost certainly won't be admitted without test		
55 Mathematics R R No https://www.mathematics.pdf.	Initionesity of Openon	r.	Mathematics	Ω	Ω	Ž	hine://math.nowoon.bthre://math.incoon.adu/m	From Mary C, Brown, Academic Program Assistant: "Your application will be considered and revelenced regardless of the inclusion of GRE (general or subject) goods. The inclusion of GRE (general or subject) goods. The subject score does help when good GRE Mari Bubject score does help when deciding on which subject score does help when virus situation, if may be that students will not have access to GRE testing as in the pest. That will also help and the subject of the		
20 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	University of Pittsburgh	22	Mathematics	: œ	< nc	S S	https://www.mather.https://www.mathematics.pit	tedu/		
	University of Tennessee	i		(

		REC	SUIREMENT A	ND UPDATE ME	ASAP. Source: http	REQUIREMENT AND UPDATE ME ASAP. Source: https://www.sts.org/s/cy/gretthe-americas/.			
The following is a @EmilyWinn13). If you means that applicants w	list of graduate math have additions or up vill not be penalized	n programs which do no odates to this list, pleas, without a GRE score or 3RE score will be consi	t require the G e comment on with a "substa idered but the c	RE (general or su the spreadsheet, indard" GRE scon department strong	bject) for at least the email me, or contact e, but those who subrily suggests you subn	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 curated by Emily Winn (email: emily, winn@brown.adu, Twitter. @EmilyMinn(3) If you have additions or updates to this fist, please comment on the spreadshed; email me, or contact me on Twitter and it will be updated accordingly. Coltonal is placed into two categories: Optional, which means that additions or updates to the Second 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 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 may get do score may furt an application.	Vinn (email: emily_winn@brown.edu; Twitter: onal is placed into two categories: Optional, which nmended, which means that appleants without a ration.	Last updated: August 21, 2020 Fall 2021 Application Cycle = Applications that are submitted in Fall 2020/Winter 2021 for beginning the	
								program in Fall 2021	
A note on USNWR rank through your master's o	kings: US News and or PhD. Where you c	1 World Report Ranking hoose to apply should	gs of graduate i	programs are bas u want to work wi	ed on overall departn th, what areas you wa	note on USWWR rankings: US News and World Report Rankings of graduate programs are based on overall departments; there are plently 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 USWWR.	unranked where you will be supported and funded salthy. Canadian schools are also left off USNWR.	AMS Grad School Search site: http://www.ams.	
University	USWNR Ranking	Department(s)	Gen. GRE	Gen. GRE Math Subj. GRE	Temporary?	Source: Program Website:	Additional Notes:		
University of washington Seattle	26	Mathematics	œ	œ	Application Cycle	https://math.washin.https://math.washington.edu/			
Washington State University	101	Mathematics	œ	œ	N _o	http://www.math.ws http://www.math.wsu.edu/			
Washington University of Saint Louis	¥	Mathematics	œ	œ	2	https://math.wustl.e.https://math.wustl.edu/			
Wesleyan University	117	Mathematics	. œ	: œ		https://www.wesley.https://www.wesleyan.edu/mathcs/index.html	s/index.html		
Auburn University	26	Mathematics and Statistics	>	0	o _N	http://www.aubum.ehttp://www.aubum.edu/cosam/de	No mention of subject GRE on website		
Baylor University	117	Mathematics	>	0		https://www.baylor.ihttps://www.baylor.edu/math/			
Binghamton University	98	Mathematical Sciences	>	0	_Q	https://www2.math.https://www2.math.binghamton.edu/p	d/np		
Bowling Green State		Mathematics and Statistics	>	c		https://www.bosu.ei.https://www.bosu.edu/arts-and-sciences	ciences/mathematics-and-statistics.html		
Bryn Mawr College		Mathematics	· >	0		https://www.brynmayr.edu/math/			
Case Western Reserve	8	Mathematics, Applied Mathematics, and	>	c	2	https://mathefate.ca.https://mathefate.cae.adu/			
Central Michigan	,	Mathematics	. >) C		hthe://www.emich.shthe://www.emich.adu/collects/	o/math/Pares/default serv		
Claremont Graduate	8	Institute of Mathematical	- >) (Manual ageographical ageograph		
Oniversity	8 :	Mathematical and	- :	0		midoszywww.cgu.edi midoszywww.cgu.edu.ogi.noji.msi.mie-uramamemaricar-sciences.programsi	ule-or-matriematical-sciences/programs/		
City University of New York (CUNY) Graduate	25, 2	Statistical Sciences	· >	0 0	NO >	https://www.demso.https://www.demson.edu/science	//www.demso https://www.demson.edu/soenog/demson.edu/soenog/demson.edu/minimakademson.edu/demson.edu/minimakademson.edu/d		
Colorado School of Mines		Applied Mathematics and Statistics		0		https://ams.mines.e https://ams.mines.edu/			
Columbia University		Applied Physics and Applied Mathematics		0		https://gradenginee.https://apam.columbia.edu/applied-mathematics-overview	d-mathematics-overview		
Deleware State		Division of Physics, Engineering, Mathematics, and		C		hins://past dast ad Mins://past dast adult/anathanath	Website makes no mention of subject test,		
Drexel University	26	Mathematics		0	2	https://drexel.edu/g https://drexel.edu/coas/academics/departments-centers/mathematics/	s/departments-centers/mathematics/		
Emory University	55	Mathematics	>	0		https://www.math.e https://www.math.emory.edu/hon	Will take self-reported scores until enrollment		
Florida State University	74	Mathematics	>	0	ON.	https://www.math.fs.https://www.math.fsu.edu/	Me externe and a complete of a children trace and		
Georgia State University	136	Marnemancs and Statistics	>	0	No	https://www.mathsti.https://www.mathstat.gsu.edu/	No statement on website of subject test, presumed optional		
George Washington University	101	Mathematics	>	0	Š	E .	From website. While we do not require the exam, we encourage taking It. We do not require it precisely since we do not want to exclude applicants who chooses to not late. — all applicants to our program receive it full consideration.) When deciding whether to take the RSE subject exam, please consider that it can help round out the information we gather from your letters of recommendation and transcripts (to which we give much attention).		
Visuevial I brawoth	144	Mathematics	>	C	Š	Just howard or https://mathematics.howard.edu			
Illinois Institute of Technology	127	Applied Mathematics		C	Cycle	htros://www.ii edu/, htros://www.ii edu/annlied-math	0		
lowa State University	i 89	Mathematics		0	ON.	https	Master's degree programs and Post bac programs only. Appears that Post Bac programs do NOT require the GRE		
Louisiana State University	99	Mathematics	>	0	8	https://www.math.ls https://www.math.lsu.edu/			
Marquette University		Mathematical and Statistical Sciences	>	0	8	https://www.marque.https://www.marquette.edu/math	Degrees in Computational math and statistical sciences, applied statistics, bioinformatics		
Mississippi State University	144	Mathematics and Statistics	>	0		https://www.math.m.https://www.math.msstate.edu/			
New Jersey Institute of Technology	101	Mathematical Sciences	>	0	N _o	https://math.niit.edu/			
New Mexico Institute of Mining and Technology		Mathematics	>-	0	S.	https://www.nmt.ed_https://www.nmt.edu/academics/	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	>	0		https://www.mccorn https://www.mccomick.northwes	According to website, they only care about the quantitative score from the general GRE. No mention of the subject test at all.		
Monthson		Allega personal perso				The state of the s			

	Last Updated: August 27, 2020	Fall 2021 Application Cycle = Applications that are submitted in Fall
****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.eis.org/sic/vigre/the-americas/ .		Institution is a list of graduate man programs wind do not require the cark (general of subject) for at least the application cycle of relativistic subject of the wind the superal of subject of the contact me o

A note on USNWR rankin	igs: US News ar	d World Report Rankings	of graduate	programs are based	1 on overall departm	nents; there are plenty	of quality departments that are	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	AMS Grad School Search site: http://
through your master's or P	r PhD. Where you c	choose to apply should inc	clude who yr	clude who you want to work with,	, what areas you wa	ant to specialize in, an	d whether the environment is he	ealthy. Canadian schools are also left off USNWR.	WWW.ZITS.
s	THE PARTY OF THE P	Mathematical	Odii. One	matil Subj. ONE			riogiani website.	Additional Notes.	
University		Sciences	>	0	o N	https://www.niu.edu.h	https://www.niu.edu/http://www.math.niu.edu/		
Oakland University		Mathematics and Statistics	>	0	_S	http://catalog.oaklarh	http://catalog.oaklar.https://oakland.edu/math/	Says GRE "may be required." I don't know how to interpret that.	
Oklahoma State University	26	Mathematics	>	0	9 N	https://math.okstate.h	https://math.okstate.https://math.okstate.edu/	Says GRE required "If available." Contact this program if you are interested but don't have a GRE score.	
Rice University		Computational and Applied Mathematics	>	0		https://www.caam.r.h	https://www.caam.r/ https://www.caam.rice.edu/		
Saint Louis University	136	Mathematics and Statistics	>	0		https://catalog.slu.e.h	https://catalog.slu.e.https://mathstat.slu.edu/		
Southern Methodist University		Computational and Applied Mathematics	>-	0		https://grad.smu.ed.h	ttps://www.smu.edu/Dedman/Ac	https://grad.smu.ed_https://www.smu.edu/Dedman/Academics/Departments/Math/Graduate	
Stony Brook		Applied Mathematics and Statistics	>	0		nttps://www.stonybih	tttps://www.stonyb https://www.stonybrook.edu/com	to Master's cation Cycle d a waiver, quest it	Need to confirm if any changes given announcement from <u>intess/lgrad.storn/brook.edu/newsPolloy-Change_GRE.pd</u>
Texas Tech University	108	Mathematics and Statistics	>	0		https://www.depts.tl.h	https://www.depts.tl https://www.depts.ttu.edu/math/		
University of Alabama Birmingham	127	Mathematics	>	0		https://www.uab.ed h	https://www.uab.ed_https://www.uab.edu/cas/mathematics/	latics/	
University of Albany - SUNY	101	Mathematics	>	0	_S	https://www.albany. h	https://www.albany.https://www.albany.edu/math		
University of Arizona		Applied Mathematics	>	0		https://appliedmath.h	https://appliedmath, https://appliedmath.arizona.edu/		
University of Arkansas Fayetteville	117	Mathematical Sciences	>	0	oN N	https://fulbright.uark h	https://fulbright.uarl-https://fulbright.uark.edu/departments/math	ents/math/	
University of California at San Diego	6	Mathematics	>	0	Fall 2021 Application Cycle	http://math.ucsd.ed.http://math.ucsd.edu/		Mark Whelan, Graduate Admissions: "Our admissions committee has decided that the Math Subject GRE will not be required this year's admissions cycle. You worn heaft to lake the test to have a complete application,"	
University of Central Florida	136	Mathematics	>-	0		https://sciences.ucf.h	du/math/		
University of Colorado at Colorado Springs		Mathematics	>	0		https://uccs.edu/ma https://uccs.edu/math/	ttps://uccs.edu/math/		
University of Hawaii at Manoa	127	Mathematics	>-	0		http://math.hawaii.e.h	http://math.hawaii.e https://math.hawaii.edu/wordpress/	700	
University of Houston	98	Mathematics	>	0		https://uh.edu/nsm/ h	https://uh.edu/nsm/ https://uh.edu/nsm/math/		
University of Iowa	62	Mathematics	>	0	°N	https://math.uiowa.rh	https://math.uiowa.i https://math.uiowa.edu/		
		Applied Mathematics and Computational Sciences	>	0	oN N	https://www.amcs.uh	https://www.amcs.u https://www.amcs.uiowa.edu/		
University of Kansas	99	Mathematics	>	a	Š	https://mathematics.h	https://mathematics.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	98	Mathematics	· >-	0		https://www.uky.edi.h	https://www.uky.edi.https://math.as.uky.edu/	form form and the second	
University of Louisiana at Lafayette		Mathematics	>-	0		https://gradschool.kh	https://gradschool.lk https://math.louisiana.edu/		
University of Louisville	136	Mathematics	>	0		https://louisville.edu h	https://louisville.edu https://louisville.edu/math		
University of Maryland at Baltimore County	117	Mathematics and Statistics	>	0	2	https://gradschool.u h	https://gradschool.a https://mathstat.umbc.edu/	Most graduate programs are applied math/statistics; there is also a form on the website for a free preapplication form to see if your background fits the program	
University of Maryland at College Park	22	Mathematics	>	0	_Q	https://gradschool.u h	https://gradschool.u https://www-math.umd.edu/graduate.html	late html	
University of Memphis	127	Mathematical Sciences	>	0		https://www.mempf h	https://www.mempf.https://www.memphis.edu/msc/	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 makes and a more an	
University of Miami	98	Mathematics	>	0	9 N	https://www.math.m.h		-	
University of Mississippi	127	Mathematics	>	0		https://math.olemiseh	https://math.olemis! https://math.olemiss.edu/		
University of Missouri in St. Louis		Mathematics and Statistics	>	0	oN O	http://www.umsl.edi.h	http://www.umsl.edi http://www.umsl.edu/mathstats/		
University of Missouri	99	Mathematics	>-	0		https://www.math.m.h	https://www.math.m.https://www.math.missouri.edu/		
University of Montana	144	Mathematical Sciences	>	0	N _O	https://www.umt.ed h	https://www.umt.ed/https://hs.umt.edu/math/graduate/default.php	/default.php	
University of Nebraska at Lincoln	99	Mathematics	>	0	o _N	https://www.math.u h	https://www.math.u/ https://www.math.unl.edu/		
University of North Carolina at Charlotte	108	Mathematics and Statistics	>-	0	_Q	https://math.uncc.el https://math.uncc.edu/	ttps://math.uncc.edu/	Don't have to take GRE if have a PhD, JD, or MD in another area, or have a Master's degree and can produce a previous score	
University of North Carolina at Greensboro		Mathematics	>	0		https://mathstats.ur.h	https://mathstats.ur/ https://mathstats.uncg.edu/		

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19-10.00 Note and an object of process of process of process of the section of the contact o	The following is a l @EmilyWinn13). If you means that applicants w	list of graduate math have additions or up vill not be penalized	or programs which do not address to this list, please without a GRE score or	require the (comment or with a "subst	SRE (general or suit the spreadsheet, e andard" GRE score	oject) for at least the small me, or contact , but those who sub	application cycle of me on Twitter and it mit them may get a k	Fall 2021. List curated by Emily will be updated accordingly. Opt loost from a good score; and rec	Winn (email: emity_winn@brown.edu; Twitter: ional is placed into two categories: Optional, which ommended, which means that applicants without a	Fall 2021 Application Cycle = Application Cycle = Application Fall Application Cycle = Application Fall Fall Application Fall Fall Fall Fall Fall Fall Fall Fal	
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13 Mathematica Y Color Mathematica Y Color No. International Color Mathematica No. No. International Color Mathematica No. International Color	University	USWNR Ranking	Department(s)	Gen GRE	Math Subj. GRE	Temporary?	Source:	Program Website:	Additional Notes:		
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177 Sciences Engineering Y Computations Y	University of Texas at	136	Mathematics	>	0	2 2	https://catalog.uta.e	https://www.uta.edu/mathfndex.	Applicants without GRE 'may be considered for unconditional admission if further review of their undergaduse it ensergit, recommendation letters, correspondence or direct interactions with mathematics facults, and statement of professional or research interests includes that they are qualified to enserve interests includes that they are qualified to enserve interests includes that they are qualified.		
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109	Temple University	74	Mathematics	>	α	8	https://www.math.le	https://www.maith.temple.edu/	Test Widness An applicant who widnes to have certain admission requirements waived must contain admission requirements waived must considered by the department 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 performanty ademination for the applicant and, if positive, issues a supporting letter to the Graduate School on the applicant's behalf.		
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Applied Appl	University of Illinois at Chicago	39	Mathematics, Statistics, and Computer Science	>	œ	N.	https://mscs.uic.edu	https://mscs.uic.edu/	Dr. Julius Ross says that the policy is currently being reconsidered after several inquiries for this cycle.		
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34 Mathematics Y R No https://math.unc.ed/ https://math.unc.edu/	University of Nevada at Reno		Mathematics and Statistics	>	œ	8	https://www.unr.edu	https://www.unr.edu/math			
	University of North Carolina at Chapel Hill	25	Mathematics	>	œ	8	https://math.unc.ed	https://math.unc.edu/	Prof. Jingfang Huang: "Are you interested in pure math or appled math? If you plan to study pure math, I strongly recomment you take the GRE math subject test."		

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The store of the control of the cont	s a list of graduate mat	th programs which do not	require the GR	E (general or subje	ect) for at least the	application cycle of F	all 2021. List curated by Emily V	Vinn (email: emily_winn@brown.edu; Twitter:	Last Opuated: August 27, 2020	
Part	you have additions or uts will not be penalized	updates to this list, please I without a GRE score or GRE score will be considered.	with a "substan dered but the de	he spreadsheet, en idard" GRE score, I epartment strongly	nail me, or contact but those who sub suggests you sub	i me on Twitter and it: nmit them may get a b mit them anyway, and	vill be updated accordingly. Optivost from a good score; and recolack of score may hurt an applicate of score may hurt an applicate.	onal is placed into two categories: Optional, which momended, which means that applicants without a cation.	Fall 2021 Application Cycle = Applications train are submitted in Fall 2020/Winter 2021 for beginning the program in Fall 2021	
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Application	USWNR Ranking) Department(s)	Gen. GRE	Math Subj. GRE	Temporary?	Source:	Program Website:	Additional Notes:	Anniversal interest in a contract of the contr	
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		Mathematical Sciences	>	>	8	https://www.mathsc.b	ittps://www.mathsci.udel.edu/	Can take a subject test in another area, although typically only applied math phd applicants do that		

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